

GUÍA DE PRODUCTOS PRODUCT GUIDE **2014**



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SCATI
VIDEO MANAGEMENT SYSTEMS

IP PLUS BOX CAMERA INDOOR

CMOS
sensor



1.3 - 3
Megapixel



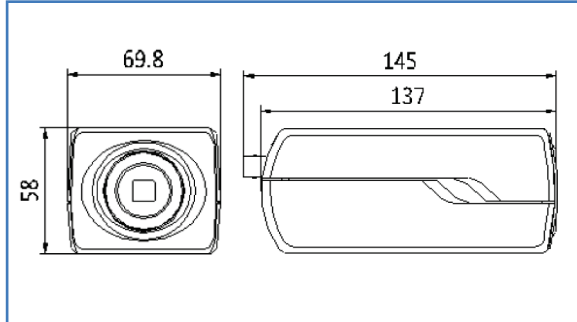
IP PLUS BOX cameras offer superb image quality both at night and during the day. With a range of **1.3 - 3 Megapixel** resolution and models including **Low-light** and **Wide Dynamic Range** functionalities, these cameras adapt to poor-light environments and are able to compensate backlighting conditions, delivering **high-quality images** under any kind of conditions. Set up can be easily performed thanks to their **Auto Back Focus** feature.

- Progressive Scan CMOS Sensor
- 1.3 - 3 Megapixel resolution
- True Day/Night
- 120 dB WDR (Depending on the model)
- Auto Back Focus (Depending on the model)

IP PLUS BOX

CAMERA. INDOOR

DIMENSIONS (Unit mm)



AVAILABLE MODELS

SiC-3401N-E: 1.3 Megapixel resolution

SiC-3401N-EF: 1.3 Megapixel resolution, Auto Back Focus

SiC-3401N-EX: 1.3 Megapixel resolution, 120 dB WDR

SiC-3401N-EXF: 1.3 Megapixel resolution, 120 dB WDR, Auto Back Focus

SiC-3501N-E: 2 Megapixel resolution

SiC-3501N-EF: 2 Megapixel resolution, Auto Back Focus

SiC-3601N-EX: 3 Megapixel resolution

SiC-3601N-EXF: 3 Megapixel resolution, Auto Back Focus



SiC-3401N-E
SiC-3401N-EF



SiC-3401N-EX
SiC-3401N-EXF

	1/3" Progressive Scan CMOS sensor 1.3 Megapixel resolution Low-Light Auto Back Focus (optional)	1/3" Progressive Scan CMOS sensor 1.3 Megapixel resolution 120 dB Wide Dynamic Range Auto Back Focus (optional)
CAMERA		
Sensor	1/3" Progressive Scan CMOS	1/3" Progressive Scan CMOS
Min. illumination	Color: 0.01 lux @F1.2, AGC on B/W: 0.001 lux @F1.2, AGC on	Color: 0.01 lux @F1.2, AGC on B/W: 0.001 lux @F1.2, AGC on
Lens mount	C/CS mount	C/CS mount
Shutter time	1 s ~ 1/100,000 s	1 s ~ 1/100,000 s
Slow shutter	Yes	Yes
Auto iris	DC drive	DC drive
Day/Night	ICR (Auto / Schedule / Alarm Trigger)	ICR (Auto / Schedule / Alarm Trigger)
Digital Noise Reduction	3D DNR	3D DNR
Wide Dynamic Range	Digital WDR	120 dB
Backlight compensation	BLC zone configurable / HLC	BLC zone configurable / HLC
Defog	Yes	Yes
Electronic Image Stabilization	Yes	Yes
Smart focus	Auto Back Focus (only for -EF model)	Auto Back Focus (only for -EXF model)
VIDEO		
Max. resolution	1280 x 1024	1280 x 960
Frame rate	50 Hz: 25fps (1280 x 1024), 25fps (1280 x 960), 50fps (1280 x 720) 60 Hz: 30fps (1280 x 1024), 30fps (1280 x 960), 60fps (1280 x 720)	50 Hz: 25fps (1280 x 960), 50fps (1280 x 720), WDR OFF 60 Hz: 30fps (1280 x 960), 60fps (1280 x 720), WDR OFF
Video compression	H.264 (Baseline profile / main profile / high profile) / MPEG4 / MJPEG	H.264 (Baseline profile / main profile / high profile) / MPEG4 / MJPEG
ROI encoding	Yes, up to 4 configurable areas	Yes, up to 4 configurable areas
Video bit rate	32 Kbps - 16 Mbps	32 Kbps - 16 Mbps
Video streaming	Triple stream Third stream independent	Triple stream Third stream independent
Overlay image	24 bit BMP	24 bit BMP
Image settings	Corridor mode, saturation, brightness, contrast, grayscale adjustable via client software or web browser	Corridor mode, saturation, brightness, contrast, grayscale adjustable via client software or web browser
Video output	1 Vp-p composite output (75 ! / BNC)	1 Vp-p composite output (75 ! / BNC)
AUDIO/ALARM		
Audio compression	G.711 / G.726 / MP2L2	G.711 / G.726 / MP2L2
Audio bit rate	64Kbps (G.711) / 16Kbps (G.726)	64Kbps (G.711) / 16Kbps (G.726)
Audio input	1-ch 3.5 mm audio interface, Mic in / Line in, 1-ch built-in Microphone	1-ch 3.5 mm audio interface, Mic in / Line in, 1-ch built-in Microphone
Audio output	1-ch 3.5mm audio interface	1-ch 3.5mm audio interface
Alarm I/O	1 / 1	1 / 1
Alarm trigger	Intrusion detection, face detection, motion detection, tampering alarm, defocus, network disconnect, IP address conflict, storage exception	Intrusion detection, face detection, motion detection, tampering alarm, defocus, network disconnect, IP address conflict, storage exception
NETWORK		
Local storage	Built-in micro SD/SDHC/SDXC card slot, up to 64GB	Built-in micro SD/SDHC/SDXC card slot, up to 64GB
Network storage	NAS	NAS
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour (SIP optional)	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour (SIP optional)
Communication interface	1 RJ45 10M / 100M Ethernet port 1 RS-485 interface 1 RS-232 interface	1 RJ45 10M / 100M Ethernet port 1 RS-485 interface 1 RS-232 interface
Security	User authentication, watermark, IP address filtering, anonymous access	User authentication, watermark, IP address filtering, anonymous access
Compliance	ONVIF, PSIA, CGI	ONVIF, PSIA, CGI
Reset button	Yes	Yes
GENERAL		
Power supply	24 VAC± 10% 12 VDC ± 10%, PoE (802.3af)	24 VAC± 10% 12 VDC ± 10%, PoE (802.3af)
Power consumption	Max. 6 W (max. 9 W with ICR on)	Max. 6 W (max. 9 W with ICR on)
Operating conditions	-30 °C - 60 °C (22 °F - 140 °F) Humidity 95% or less (non-condensing)	-30 °C - 60 °C (22 °F - 140 °F) Humidity 95% or less (non-condensing)
Dimensions	69.8 x 58 x 145 mm (2.68" x 2.56" x 5.70")	69.8 x 58 x 145 mm (2.68" x 2.56" x 5.70")
Weight	830g (1.83 lbs)	830g (1.83 lbs)



SiC-3501N-E
SiC-3501N-EF



SiC-3601N-EX
SiC-3601N-EXF

1/2.8" progressive scan CMOS sensor 2 Megapixel resolution Low-Light Auto Back Focus (optional)	1/3" Progressive Scan CMOS sensor 3 Megapixel resolution 120 dB Wide Dynamic Range Auto Back Focus (optional)
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CAMERA		
Sensor	1/2.8" progressive scan CMOS	1/3" Progressive Scan CMOS
Min. illumination	Color: 0.02 lux@F1.2, AGC on B/W: 0.005 lux@F1.2, AGC on	Color: 0.1 lux@F1.2, AGC on B/W: 0.01 lux@F1.2, AGC on
Lens mount	C/CS mount	C/CS mount
Shutter time	1 s ~ 1/100,000 s	1 s ~ 1/100,000 s
Slow shutter	Yes	Yes
Auto iris	DC drive	DC drive
Day/Night	ICR (Auto / Schedule / Alarm Trigger)	ICR (Auto / Schedule / Alarm Trigger)
DNR	3D DNR	3D DNR
WDR	Digital WDR	120 dB
Backlight compensation	BLC zone configurable / HLC	BLC zone configurable / HLC
Defog	Yes	Yes
EIS	Yes	Yes
Smart focus	Auto Back Focus (only for -EF model)	Auto Back Focus (only for -EXF model)
VIDEO		
Max. resolution	1920 x 1080	2048 x 1536
Frame rate	50 Hz: 25fps (1920 x 1080), 25fps (1280 x 960), 25fps (1280 x 720) 60 Hz: 30fps (1920 x 1080), 30fps (1280 x 960), 30fps (1280 x 720)	50 Hz: 20fps (2048 x 1536), 25fps (1920 x 1080), 25fps (1280 x 720) 60 Hz: 20fps (2048 x 1536), 30fps (1920 x 1080), 30fps (1280 x 720)
Video compression	H.264 (Baseline profile / main profile / high profile) / MPEG4 / MJPEG	H.264 (Baseline profile / main profile / high profile) / MPEG4 / MJPEG
ROI encoding	Yes, up to 4 configurable areas	Yes, up to 4 configurable areas
Video bit rate	32 Kbps - 16 Mbps	32 Kbps - 16 Mbps
Video streaming	Triple stream Third stream independent	Triple stream Third stream independent
Overlay image	24 bit BMP	24 bit BMP
Image settings	Corridor mode, saturation, brightness, contrast, grayscale adjustable via client software or web browser	Corridor mode, saturation, brightness, contrast, grayscale adjustable via client software or web browser
Video output	1 Vp-p composite output (75 ! / BNC)	1 Vp-p composite output (75 ! / BNC)
AUDIO / ALARM		
Audio compression	G.711 / G.726 / MP2L2	G.711 / G.726 / MP2L2
Audio bit rate	64Kbps (G.711) / 16Kbps (G.726)	64Kbps (G.711) / 16Kbps (G.726)
Audio input	1 1-ch 3.5 mm audio interface, Mic in / Line in, 1-ch built-in Microphone	1-ch 3.5 mm audio interface, Mic in / Line in, 1-ch built-in Microphone
Audio output	1-ch 3.5mm audio interface	1-ch 3.5mm audio interface
Alarm I/O	1 / 1	1 / 1
Alarm trigger	Intrusion detection, motion detection, face detection, tampering alarm, defocus, network disconnect, IP address conflict, storage exception	Intrusion detection, motion detection, face detection, tampering alarm, defocus, network disconnect, IP address conflict, storage exception
NETWORK		
Local storage	Built-in micro SD/SDHC/SDXC card slot, up to 64GB	Built-in micro SD/SDHC/SDXC card slot, up to 64GB
Network storage	NAS	NAS
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour (SIP optional)	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour (SIP optional)
Communication interface	1 RJ45 10M / 100M Ethernet port 1 RS-485 interface 1 RS-232 interface	1 RJ45 10M / 100M Ethernet port 1 RS-485 interface 1 RS-232 interface
Security	User authentication, watermark, IP address filtering, anonymous access	User authentication, watermark, IP address filtering, anonymous access
Compliance	ONVIF, PSIA, CGI	ONVIF, PSIA, CGI
Reset button	Yes	Yes
GENERAL		
Power supply	24 VAC± 10% 12 VDC ± 10%, PoE (802.3af)	24 VAC± 10% 12 VDC ± 10%, PoE (802.3af)
Power consumption	Max. 6 W (max. 9 W with ICR on)	Max. 6.5 W (max. 9.5 W with ICR on)
Operating conditions	-30 °C - 60 °C (22 °F - 140 °F) Humidity 95% or less (non-condensing)	-30 °C - 60 °C (22 °F - 140 °F) Humidity 95% or less (non-condensing)
Dimensions	69.8 × 58 × 145 mm (2.68" x 2.56" x 5.70")	69.8 × 58 × 145 mm (2.68" x 2.56" x 5.70")
Weight	830g (1.83 lbs)	830g (1.83 lbs)



IP 5 MP BOX CAMERA. INDOOR

CMOS sensor



5 Megapixel
Resolution



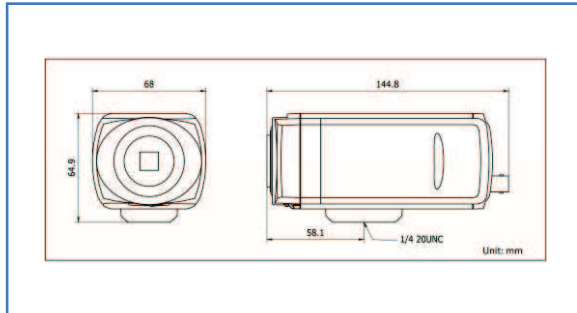
The **IP 5 MP BOX** camera features an advanced **5 Megapixel** resolution CMOS sensor capable of delivering **superb image quality**. With **true Day/Night** functionality and auto iris lens support, images are sharp and accurate both at night and during the day. This outstanding performance, together with its **discreet size**, make of it a **multi-purpose** camera to protect indoor areas under all kinds of circumstances.

- 1/2.5" Progressive Scan CMOS sensor
- 5 Megapixel resolution
- True Day/Night
- Auto iris lens support
- Audio / Alarm

IP 5 MP BOX

CAMERA. INDOOR

DIMENSIONS (Unit: mm)



AVAILABLE MODELS

SEC-3701N-E: 5 Megapixel resolution Box



SEC-3701N-E

1/2.5" Progressive Scan CMOS sensor
5 Megapixel resolution
True Day/Night

CAMERA	
Sensor	1/2.5" Progressive Scan CMOS
Min. illumination	Color: 0.6 lux@F1.2, AGC on B/W: 0.08 lux@F1.2, AGC on
Lens mount	C/CS mount
Shutter time	1/25 s (1/30 s) - 1/100,000 s
Auto iris	DC drive
Day/Night	IR cut filter with auto switch
VIDEO	
Max. resolution	2560 × 1920
Frame rate	50 Hz: 6.25 fps (2560 × 1920) 12.5 fps (2048 × 1536) 25 fps (1920 × 1080) 25 fps (1600 × 1200) 25 fps (1280 × 720) 60 Hz: 7.5 fps (2560 × 1920) 15 fps (2048 × 1536) 30 fps (1920 × 1080) 30 fps (1600 × 1200) 30 fps (1280 × 720)
video compression	H.264 / MPEG4 / MJPEG
Video bit rate	32 Kbps - 16 Mbps
Video streaming	Dual Stream
Image settings	Saturation, brightness, contrast adjustable through client software or web browser
Video output	1 Vp-p composite output (75 ! / BNC)
AUDIO/ALARM	
Audio compression	G.711 / G.726
Audio input	1-ch 3.5 mm audio interface, MIC IN/LINE IN
Audio output	1-ch 3.5 mm audio interface (line level, 600 !)
Alarm I/O	1 / 1
Alarm trigger	Motion detection, tampering alarm, network disconnect, IP address conflict, storage exception
NETWORK	
Local storage	Built-in SD/SDHC slot, up to 32 GB
Network storage	NAS (iSCSI optional)
Protocols	TCP/IP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPPoE, SMTP, NTP, SNMP, HTTPS, FTP, 802.1x, QoS (SIP, SRTP, IPv6 optional)
Communication interface	1 RJ45 10M / 100M Ethernet interface 1 RS-485 interface
Security measures	User authentication, watermark
System compatibility	ONVIF, PSIA, CGI
Reset button	Yes
GENERAL	
Power supply	12 V DC ± 10%, PoE (802.3af)
Power consumption	Max. 5 W (max. 8W with IR cut filter on)
Operating conditions	-10°C ~ 60°C (14°F ~ 140°F) Humidity 90% or less (non-condensing)
Dimensions	68 × 64.9 × 144.8 mm (2.7" × 2.2" × 5.7")
Weight	500 g (1.1 lbs.)

Rev. 0

All characteristics and technical specifications may be subject to modifications considered necessary by the manufacturer to improve the product. The information in this datasheet is indicative and is declared to be valid except for typographic errors. All brand and product names in this datasheet are property of Scati labs, S.A. and their use without prior permission is strictly forbidden. For further information, please contact info@scati.com.

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IP 20X DOME PTZ CAMERA. INDOOR/OUTDOOR

20x
Optical Zoom



1.3 - 2
Megapixel

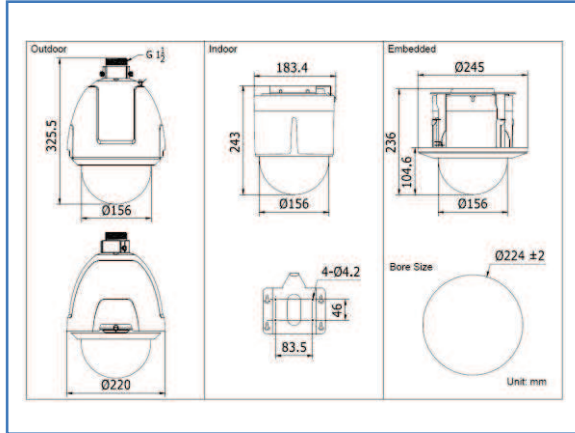


The **IP 20X DOME PTZ** camera is provided with cutting-edge technology to offer unsurpassed image quality thanks to its **20x optical zoom** and a resolution of up to **2 Megapixel**. Its **high-speed** yet precise positioning enables a smooth operation, ideal to cover wide areas both **indoors and outdoors**. With **PoE+ and High-PoE** models, optional **vandalproof** protection and various mounting options, these cameras are able to meet all kinds of professional surveillance needs.

- Progressive Scan CMOS Sensor
- 1.3 - 2 Megapixel resolution
- 4.7 - 94 mm lens & 20x optical zoom
- Defog
- Smart tracking
- Tri-stream

IP 20x DOME PTZ CAMERA. INDOOR/OUTDOOR

DIMENSIONS (Unit: mm)



AVAILABLE MODELS

SED-34015N-C20, SED-35015N-C20: 24 V AC, indoor

SED-34015N-EC20, SED-35015N-EC20: PoE+ & 24 V AC, indoor

SED-34015NV-C20, SED-35015NV-C20: 24 V AC, indoor, Vandalproof

SED-34015NV-EC20, SED-35015NV-EC20: PoE+ & 24VAC, indoor, Vandalproof

SED-34115N-CY20, SED-35115N-CY20: 24 V AC, outdoor

SED-34115N-ECY20, SED-35115N-ECY20: High-PoE & 24 V AC, outdoor

SED-34115NV-CY20, SED-35115NV-CY20: 24 V AC, outdoor, Vandalproof

SED-34115NV-EY20, SED-35115NV-EY20: High-PoE & 24 V AC, outdoor, Vandalproof

NOTE: indoor models support ceiling and in-ceiling mount.



**SED-34015N(V)-(E)C20
SED-34115N(V)-(E)CY20**

**SED-35015N(V)-(E)C20
SED-35115N(V)-(E)CY20**

1/3" Progressive Scan CMOS sensor
4.7 - 94 mm, 20x Varifocal lens
1.3 Megapixel resolution
Outdoor / Indoor

1/2.8" Progressive Scan CMOS sensor
4.7 - 94 mm, 20x Varifocal lens
2 Megapixel resolution
Outdoor / Indoor

CAMERA		
Sensor	1/3" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS
Min. Illumination	Color : 0.4 lux (F1.6, 1/30 sec, 50 IRE, AGC on), B/W : 0.03 lux (F1.6, 1/30 sec, 50 IRE, AGC on) Color : 0.05 lux (F1.6, 1/1 sec, 50 IRE, AGC on), B/W : 0.005 lux (F1.6, 1/1 sec, 50 IRE, AGC on)	Color : 0.4 lux (F1.6, 1/30 sec, 50 IRE, AGC on), B/W : 0.03 lux (F1.6, 1/30 sec, 50 IRE, AGC on) Color : 0.05 lux (F1.6, 1/1 sec, 50 IRE, AGC on), B/W : 0.005 lux (F1.6, 1/1 sec, 50 IRE, AGC on)
Lens	4.7 ~ 94 mm, 20X optical zoom	4.7 ~ 94 mm, 20X optical zoom
Shutter time	1-1/30,000 s	1-1/30,000 s
Focus mode	Auto / Semiautomatic / Manual	Auto / Semiautomatic / Manual
Day/Night	IR Cut Filter	IR Cut Filter
Digital Noise Reduction	3D DNR	3D DNR
Wide Dynamic Range	Digital WDR	Digital WDR
Backlight compensation	HLC / BLC	HLC / BLC
White balance	Auto / Manual / ATW / Indoor / Outdoor / Daylight lamp / Sodium lamp	Auto / Manual / ATW / Indoor / Outdoor / Daylight lamp / Sodium lamp
Automatic Gain Control	Auto / Manual	Auto / Manual
Signal-to-Noise Ratio	! 50dB	! 50dB
Digital zoom	12X	16X
Privacy masks	24 privacy masks programmable, optional multiple colors and mosaics	24 privacy masks programmable, optional multiple colors and mosaics
Defog	Support	Support
Smart tracking	Support	Support
PTZ		
Zoom speed	Approx. 2.7 s (Optical Wide-Tele)	Approx. 2.7 s (Optical Wide-Tele)
Angle of view	58.3 ~ 3.2 degree (Wide-Tele)	58.3 ~ 3.2 degree (Wide-Tele)
Min. Distance	10 ~ 1,500mm (Wide-Tele)	10 ~ 1,500mm (Wide-Tele)
Aperture range	F1.6 ~ F3.5	F1.6 ~ F3.5
Pan range & Speed	360° endless Pan Manual Speed: 0.1° ~ 300°/s Pan Preset Speed: 540°/s	360° endless Pan Manual Speed: 0.1° ~ 300°/s Pan Preset Speed: 540°/s
Tilt Range & Speed	-5° ~ 90° (Auto Flip) Tilt Manual Speed: 0.1° ~ 240°/s Tilt Preset Speed: 400°/s	-5° ~ 90° (Auto Flip) Tilt Manual Speed: 0.1° ~ 240°/s Tilt Preset Speed: 400°/s
Presets	256	256
Patrol	8 patrols, up to 32 presets per patrol	8 patrols, up to 32 presets per patrol
Pattern	4 patterns, with the recording time not less than 10 minutes per pattern	4 patterns, with the recording time not less than 10 minutes per pattern
Park action	Preset / Patrol / Pattern / Pan scan / Tilt scan / Random scan / Frame scan / Panorama scan	Preset / Patrol / Pattern / Pan scan / Tilt scan / Random scan / Frame scan / Panorama scan
PTZ recovery	Support	Support
PTZ position display	Support	Support
Preset freeze time	Support	Support
Scheduled task	Preset / Patrol / Pattern / Pan scan / Tilt scan / Random scan / Frame scan / Panorama scan / Dome Reboot / Self-test action / Alarm output	Preset / Patrol / Pattern / Pan scan / Tilt scan / Random scan / Frame scan / Panorama scan / Dome reboot / Self-test action / Alarm output
VIDEO		
Max. resolution	1280 × 960	1920 × 1080
Effective pixels	1320K pixels	2230K pixels
Frame rate	50Hz: 25fps (1280×960), 25fps (1280×720) 60Hz: 30fps (1280×960), 30fps (1280×720)	50Hz: 25 fps (1920×1080), 25 fps (1280×960), 25 fps (1280×720) 60Hz: 30 fps (1920×1080), 30 fps (1280×960), 30 fps (1280×720)
Video compression	H.264/MJPEG/MPEG4, H.264 encoding with Baseline/Main/High profile	H.264 / MJPEG / MPEG4, H.264 encoding with Baseline / Main / High profile
Scalable Video Coding	Support	Support
ROI encoding	Support	Support
Video streaming	Triple stream	Triple stream
Video output	1.0V[p-p] / 75", NTSC (or PAL) composite, BNC	1.0V[p-p] / 75", NTSC (or P AL) composite, BNC



SED-34015N(V)-(E)C20
SED-34115N(V)-(E)CY20



SED-35015N(V)-(E)C20
SED-35115N(V)-(E)CY20

IP 20x DOME PTZ CAMERA. INDOOR/OUTDOOR

	1/3" CMOS sensor 4.3 - 86 mm, 20x Varifocal lens 1.3 Megapixel resolution Outdoor / Indoor	1/2.8" CMOS sensor 4.7 - 94 mm, 20x Varifocal lens 2 Megapixel resolution Outdoor / Indoor
AUDIO/ALARM		
Audio compression	G.711u / G.711a / G.726 / MP2L2	G.711u / G.711a / G.726 / MP2L2
Audio input	1 Mic in/Line in interface. Line input: 2-2.4V[p-p]; output impedance: 1K Ω , $\pm$ 10%	1 Mic in/Line in interface. Line input: 2-2.4V[p-p]; output impedance: 1K Ω , $\pm$ 10%
Audio output	1 Audio output interface. Line level, impedance: 600 Ω	1 Audio output interface. Line level, impedance: 600 Ω
Alarm I/O	7 inputs/2 relay outputs	7 inputs/2 relay outputs
Alarm trigger	Motion detection, Audio Exception Detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception	Motion detection, Audio Exception Detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception
Alarm actions	Preset, Patrol, Pattern, SD/SDHC card recording, Relay output, Notification on Client	Preset, Patrol, Pattern, SD/SDHC card recording, Relay output, Notification on Client
Alarm trigger	Motion detection, Audio Exception Detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception	Motion detection, Audio Exception Detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception
NETWORK		
Local storage	Built-in micro SD/SDHC Slot, up to 32GB, support manual / alarm / edge recording	Built-in micro SD/SDHC Slot, up to 32GB, support manual / alarm / edge recording
Protocols	IPv4/IPv6, HTTP, HTTPS, 802.1x, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE	IPv4/IPv6, HTTP, HTTPS, 802.1x, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE
Communication interface	10Base-T / 100Base-TX, RJ45 connector	10Base-T / 100Base-TX, RJ45 connector
Security	User authentication (ID and Password), Host authentication (MAC address), IP address filtering	User authentication (ID and Password), Host authentication (MAC address), IP address filtering
Simultaneous live views	Up to 10	Up to 10
Simultaneous users	Up to 32 users	Up to 32 users
User levels	3 Levels: Administrator, Operator and User	3 Levels: Administrator, Operator and User
PTZ control	RS-485 (Pelco-P, Pelco-D, self-adaptive)	RS-485 (Pelco-P, Pelco-D, self-adaptive)
Compliance	ONVIF, PSIA and CGI	ONVIF, PSIA and CGI
GENERAL		
Power supply	-CY20: 24 V AC -ECY20: 24 V AC / High-PoE -C20/EC20: 24 V AC / PoE+	-CY20: 24 V AC -ECY20: 24 V AC / High-PoE -C20/EC20: 24 V AC / PoE+
Power consumption	-CY20: max. 40 W -ECY20: 24 V AC, max. 60 W / High-PoE max. 40 W -C20/EC20: max. 25 W	-CY20: max. 40 W -ECY20: 24 V AC, max. 60 W / High-PoE max. 40 W -C20/EC20: max. 25 W
Operating conditions	-CY20: -30°C ~ 65°C (-22°F ~ 149°F) -ECY20: 24 VAC: -40°C ~ 65°C (-40°F ~ 149°F) / High-PoE: -30°C ~ 65°C (-22°F ~ 149°F) -C20/EC20: -10°C ~ 50°C (14°F ~ 122°F) Humidity: 90% or less	-CY20: -30°C ~ 65°C (-22°F ~ 149°F) -ECY20: 24 VAC: -40°C ~ 65°C (-40°F ~ 149°F) / High-PoE: -30°C ~ 65°C (-22°F ~ 149°F) -C20/EC20: -10°C ~ 50°C (14°F ~ 122°F) Humidity: 90% or less
Protection level	IP66, TVS 4,000V lightning protection, surge protection and voltage transient protection	IP66, TVS 4,000V lightning protection, surge protection and voltage transient protection
Impact protection	IK 10 (optional)	IK 10 (optional)
Dimensions	"220 x 325.5 mm ("8.66" x 12.81") (Outdoor) "183.4 x 243 mm ("7.22"x9.57") (Ceiling) "245 x 236 mm ("9.65"x9.29") (In-ceiling)	"220 x 325.5 mm ("8.66" x 12.81") (Outdoor) "183.4 x 243 mm ("7.22" x 9.57") (Ceiling) "245 x 236 mm ("9.65" x 9.29") (In-ceiling)
Weight	Approx. 5 Kg (11.02 lbs)	Approx. 5 Kg (11.02 lbs)

Rev. 0

All characteristics and technical specifications may be subject to modifications considered necessary by the manufacturer to improve the product. The information in this datasheet is indicative and is declared to be valid except for typographic errors. All brand and product names in this datasheet are property of Scati labs, S.A. and their use without prior permission is strictly forbidden. For further information, please contact info@scati.com.

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IP 30X DOME PTZ

CAMERA. INDOOR/OUTDOOR

30x
Optical Zoom



1.3 - 2
Megapixel

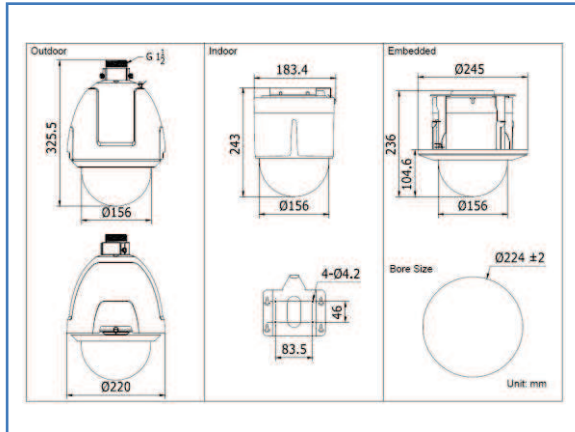


The **IP 30X DOME PTZ** camera is provided with cutting-edge technology to offer unsurpassed image quality thanks to its **30x optical zoom** and a resolution up to **2 Megapixel**. Its **high-speed** yet precise positioning enables a smooth operation, ideal for covering wide areas both **indoors and outdoors**. With **PoE+ and High-PoE** models, optional **vandalproof** protection and various mounting options, these cameras are able to meet all kinds of professional surveillance needs.

- Progressive Scan CMOS Sensor
- 1.3 - 2 Megapixel resolution
- 4.3 - 129 mm lens & 30x optical zoom
- Defog
- Smart tracking
- Tri-stream

IP 30x DOME PTZ CAMERA. INDOOR/OUTDOOR

DIMENSIONS (Unit: mm)



AVAILABLE MODELS

SED-34015N-C30, SED-35015N-C30: 24 V AC, indoor

SED-34015N-EC30, SED-35015N-EC30: PoE+ & 24 V AC, indoor

SED-34015NV-C30, SED-35015NV-C30: 24 V AC, indoor, Vandalproof

SED-34015NV-EC30, SED-35015NV-EC30: PoE+ & 24 V AC, indoor, Vandalproof

SED-34115N-CY30, SED-35115N-CY30: 24 V AC, outdoor

SED-34115N-ECY30, SED-35115N-ECY30: High-PoE & 24 V AC, outdoor

SED-34115NV-CY30, SED-35115NV-CY30: 24 V AC, outdoor, Vandalproof

SED-34115NV-EY30, SED-35115NV-EY30: High-PoE & 24 V AC, outdoor, Vandalproof

NOTE: indoor models support ceiling and in-ceiling mount.



**SED-34015N(V)-(E)C30
SED-34115N(V)-(E)CY30**

**SED-35015N(V)-(E)C30
SED-35115N(V)-(E)CY30**

1/3" Progressive Scan CMOS sensor
4.3 - 129 mm, 30x Varifocal lens
1.3 Megapixel resolution
Outdoor / Indoor

1/2.8" Progressive Scan CMOS sensor
4.3 - 129 mm, 30x Varifocal lens
2 Megapixel resolution
Outdoor / Indoor

CAMERA		
Sensor	1/2.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS
Min. illumination	Color : 0.4 lux (F1.6, 1/30 sec, 50 IRE, AGC on), B/W : 0.03 lux (F1.6, 1/30 sec, 50 IRE, AGC on) Color : 0.05 lux (F1.6, 1/1 sec, 50 IRE, AGC on), B/W : 0.005 lux (F1.6, 1/1 sec, 50 IRE, AGC on)	Color : 0.4 lux (F1.6, 1/30 sec, 50 IRE, AGC on), B/W : 0.03 lux (F1.6, 1/30 sec, 50 IRE, AGC on) Color : 0.05 lux (F1.6, 1/1 sec, 50 IRE, AGC on), B/W : 0.005 lux (F1.6, 1/1 sec, 50 IRE, AGC on)
Lens	4.3 ~ 129 mm, 30X optical zoom	4.3 ~ 129 mm, 30X optical zoom
Shutter time	1 - 1/30,000 s	1 - 1/30,000 s
Focus mode	Auto / Semiautomatic / Manual	Auto / Semiautomatic / Manual
Day/Night	IR Cut Filter	IR Cut Filter
Digital Noise Reduction	3D DNR	3D DNR
Wide Dynamic Range	Digital WDR	Digital WDR
Backlight compensation	HLC / BLC	HLC / BLC
White balance	Auto / Manual / ATW / Indoor / Outdoor / Daylight lamp / Sodium lamp	/ Manual / ATW/Indoor/Outdoor/Daylight lamp/Sodium lamp
Automatic Gain Control	Auto / Manual	Auto / Manual
Signal-to-Noise Ratio	!50dB	!50dB
Digital zoom	12X	16X
Privacy masks	24 privacy masks programmable, optional multiple colors and mosaics	24 privacy masks programmable, optional multiple colors and mosaics
Defog	Support	Support
Smart tracking	Support	Support
PTZ		
Zoom speed	Approx.3s (Optical Wide-Tele)	Approx.3s (Optical Wide-Tele)
Angle of view	65.5 ~ 2.11 degree (Wide-Tele)	65.5 ~ 2.11 degree (Wide-Tele)
Min. distance	10 ~ 1,500mm (Wide-Tele)	10 ~ 1,500mm (Wide-Tele)
Aperture range	F1.6 ~ F5.0	F1.6 ~ F5.0
Pan range & Speed	360° endless Pan Manual Speed: 0.1° ~ 300°/s Pan Preset Speed: 540°/s	360° endless Pan Manual Speed: 0.1° ~ 300°/s Pan Preset Speed: 540°/s
Tilt Range & Speed	-5° ~ 90°(Auto Flip) Tilt Manual Speed: 0.1° ~ 240°/s Tilt Preset Speed: 400°/s	-5° ~ 90°(Auto Flip) Tilt Manual Speed: 0.1° ~ 240°/s Tilt Preset Speed: 400°/s
Presets	256	256
Patrol	8 patrols, up to 32 presets per patrol	8 patrols, up to 32 presets per patrol
Pattern	4 patterns, with the recording time not less than 10 minutes per pattern	4 patterns, with the recording time not less than 10 minutes per pattern
Park action	Preset / Patrol / Pattern / Pan scan / Tilt scan / Random scan / Frame scan / Panorama scan	Preset / Patrol / Pattern / Pan scan / Tilt scan / Random scan / Frame scan / Panorama scan
PTZ recovery	Support	Support
PTZ position display	Support	Support
Preset freeze time	Support	Support
Scheduled task	Preset / Patrol / Pattern / Pan scan / Tilt scan / Random scan / Frame scan / Panorama scan/Dome reboot/Self-test action/Alarm output	Preset / Patrol / Pattern / Pan scan / Tilt scan / Random scan / Frame scan / Panorama scan/Dome reboot/Self-test action/Alarm output
VIDEO		
Max. resolution	1280 × 960	1920 × 1080
Effective pixels	1320K pixels	2230K pixels
Frame rate	50Hz: 25fps(1280×960), 25fps(1280×720) 60Hz: 30fps(1280×960), 30fps(1280×720)	50Hz: 25 fps (1920×1080), 25 fps (1280×960), 25 fps (1280×720) 60Hz: 30 fps (1920×1080), 30 fps (1280×960), 30 fps (1280×720)
Video compression	H.264/MJPEG/MPEG4, H.264 encoding with Baseline/Main/High profile	H.264 / MJPEG / MPEG4, H.264 encoding with Baseline / Main / High profile
Scalable Video Coding	Support	Support
ROI encoding	Support	Support
Video streaming	Triple stream	Triple stream
Video output	1.0V[p-p]/175"!INTSC!(orPAL)! composite, BNC	1.0V[p-p]/175"!INTSC!(orPAL)! composite, BNC



SED-34015N(V)-(E)C30
SED-34115N(V)-(E)CY30



SED-35015N(V)-(E)C30
SED-35115N(V)-(E)CY30

IP 30x DOME PTZ CAMERA. INDOOR/OUTDOOR

1/3" Progressive Scan CMOS sensor 4.3 - 129 mm, 30x Varifocal lens 1.3 Megapixel resolution Outdoor / Indoor	1/2.8" Progressive Scan CMOS sensor 4.3 - 129 mm, 30x Varifocal lens 2 Megapixel resolution Outdoor / Indoor
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AUDIO/ALARM		
Audio compression	G.711u / G.711a / G.726 / MP2L2	G.711u / G.711a / G.726 / MP2L2
Audio input	1 Mic in/Line in interface. Line input: 2-2.4V[p-p]; output impedance: 1K Ω , $\pm$ 10%	1 Mic in/Line in interface. Line input: 2-2.4V[p-p]; output impedance: 1K Ω , $\pm$ 10%
Audio output	1 Audio output interface. Line level, impedance: 600 Ω	1 Audio output interface. Line level, impedance: 600 Ω
Alarm I/O	7 inputs/2 relay outputs	7 inputs/2 relay outputs
Alarm trigger	Motion detection, Audio Exception Detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception	Motion detection, Audio Exception Detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception
Alarm actions	Preset, Patrol, Pattern, SD/SDHC card recording, Relay output, Notification on Client	Preset, Patrol, Pattern, SD/SDHC card recording, Relay output, Notification on Client
Alarm trigger	Motion detection, Audio Exception Detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception	Motion detection, Audio Exception Detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception
NETWORK		
Local storage	Built-in micro SD/SDHC Slot, up to 32GB, support manual / alarm / edge recording	Built-in micro SD/SDHC Slot, up to 32GB, support manual / alarm / edge recording
Protocols	IPv4/IPv6, HTTP, HTTPS, 802.1x, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE	IPv4/IPv6, HTTP, HTTPS, 802.1x, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE
Communication interface	10Base-T / 100Base-TX, RJ45 connector	10Base-T / 100Base-TX, RJ45 connector
Security	User authentication (ID and Password), Host authentication (MAC address), IP address filtering	User authentication (ID and Password), Host authentication (MAC address), IP address filtering
Simultaneous live views	Up to 10	Up to 10
Simultaneous users	Up to 32 users	Up to 32 users
User levels	3 Levels: Administrator, Operator and User	3 Levels: Administrator, Operator and User
PTZ control	RS-485 (Pelco-P, Pelco-D, self-adaptive)	RS-485 (Pelco-P, Pelco-D, self-adaptive)
Compliance	ONVIF, PSIA and CGI	ONVIF, PSIA and CGI
GENERAL		
Power supply	-CY30: 24 V AC -ECY30: 24 V AC / High-PoE -C30/EC30: 24 V AC / PoE+	-CY30: 24 V AC -ECY30: 24 V AC / High-PoE -C30/EC30: 24 V AC / PoE+
Power consumption	-CY30: max. 40 W -ECY30: 24 V AC, max. 60 W / High-PoE max. 40 W -C30/EC30: max. 25 W	-CY30: max. 40 W -ECY30: 24 V AC, max. 60 W / High-PoE max. 40 W -C30/EC30: max. 25 W
Operating conditions	-CY30: -30°C ~ 65°C (-22°F ~ 149°F) -ECY30: 24 V AC: -40°C ~ 65°C (-40°F ~ 149°F) / High-PoE: -30°C ~ 65°C (-22°F ~ 149°F) -C30/EC30: -10°C ~ 50°C (14°F ~ 122°F) Humidity: 90% or less	-CY30: -30°C ~ 65°C (-22°F ~ 149°F) -ECY30: 24 V AC: -40°C ~ 65°C (-40°F ~ 149°F) / High-PoE: -30°C ~ 65°C (-22°F ~ 149°F) -C30/EC30: -10°C ~ 50°C (14°F ~ 122°F) Humidity: 90% or less
Protection level	IP66, TVS 4,000 V lightning protection, surge protection and voltage transient protection	IP66, TVS 4,000 V lightning protection, surge protection and voltage transient protection
Impact protection	IK 10 (optional)	IK 10 (optional)
Dimensions	"220 x 325.5 mm ("8.66" x 12.81") (Outdoor) "183.4 x 243 mm ("7.22" x 9.57") (Ceiling) "245 x 236 mm ("9.65" x 9.29") (In-ceiling)	"220 x 325.5 mm ("8.66" x 12.81") (Outdoor) "183.4 x 243 mm ("7.22" x 9.57") (Ceiling) "245 x 236 mm ("9.65" x 9.29") (In-ceiling)
Weight	Approx. 5 Kg (11.02 lbs)	Approx. 5 Kg (11.02 lbs)

Rev. 0

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IP IR DOME PTZ CAMERA. OUTDOOR

150 m
IR Range



1.3 - 2
Megapixel

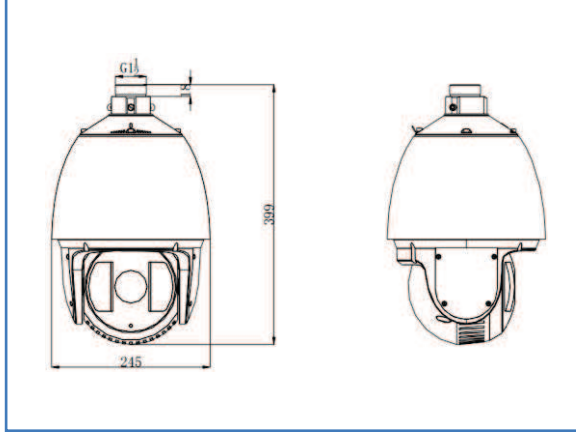


The **IP IR DOME PTZ** camera is provided with cutting-edge technology to offer unsurpassed image quality thanks to its **optical zoom** and a resolution of up to **2 Megapixel**. With its **150 meter Infrared** range and **IP66 outdoor** protection, it is able to cover large outdoor areas under any weather conditions. This, together with the **smart tracking, smart IR & defog** capabilities, makes it perfect for perimeter protection applications.

- Progressive Scan CMOS Sensor
- 1.3 - 2 Megapixel resolution
- 20x or 30x optical zoom
- 150 meter IR range
- Smart tracking, smart IR, defog
- Outdoor (IP66)

IP IR DOME PTZ CAMERA. OUTDOOR

DIMENSIONS (Unit: mm)



AVAILABLE MODELS

SED-34115R12-Y20: 1.3 MP, Optical Zoom 20x

SED-34115R1-EY20: 1.3 MP, Optical Zoom 20x, High PoE

SED-34115R12-Y30: 1.3 MP, Optical Zoom 30x

SED-34115R1-EY30: 1.3 MP, Optical Zoom 30x, High PoE

SED-35115R10-Y20: 2 MP, Optical Zoom 20x

SED-35115R1-EY20: 2 MP Optical Zoom 20x, High PoE

SED-35115R12-Y30: 2 MP, Optical Zoom 30x

SED-35115R1-EY30: 2 MP, Optical Zoom 30x, High PoE

SED-35115R12-Y20: 2 MP Optical Zoom 20x, WDR



**SED-34115R12-Y20
SED-34115R1-EY20**



**SED-34115R12-Y30
SED-34115R1-EY30**

1/3" Progressive Scan CMOS sensor
1.3 Megapixel resolution
4.7 - 94 mm lens
20x Optical zoom
150 m IR Range

1/3" Progressive Scan CMOS sensor
1.3 Megapixel resolution
4.3 - 129 mm lens
30x Optical zoom
150 m IR Range

CAMERA		
Sensor	1/3" Progressive Scan CMOS	1/3" Progressive Scan CMOS
Min. illumination	Colour : 0.4lux (F1.6,1/30 sec, 50 IRE, AGC on); 0.05lux (F1.6,1/1 sec, 50 IRE, AGC on); 0 lux with IR B/W : 0.03lux (F1.6,1/30 sec, 50 IRE, AGC on); 0.005lux (F1.6,1/1 sec, 50 IRE, AGC on); 0 lux with IR	Colour : 0.4lux (F1.6,1/30 sec, 50 IRE, AGC on); 0.05lux (F1.6,1/1 sec, 50 IRE, AGC on); 0 lux with IR B/W : 0.03lux (F1.6,1/30 sec, 50 IRE, AGC on); 0.005lux (F1.6,1/1 sec, 50 IRE, AGC on); 0 lux with IR
Lens	4.7 ~ 94mm, 20X optical zoom	4.3 ~ 129.0mm, 30X optical zoom
Shutter time	50Hz: 1 ~ 1/30,000 s 60Hz: 1 ~ 1/30,000 s	50Hz: 1 ~ 1/30,000 s 60Hz: 1 ~ 1/30,000 s
Focus mode	Auto / Semiautomatic / Manual	Auto / Semiautomatic / Manual
Day/Night	IR Cut Filter	IR Cut Filter
Digital Noise Reduction	3D DNR	3D DNR
Wide Dynamic Range	Digital WDR	Digital WDR
Backlight compensation	HLC / BLC	HLC / BLC
White balance	Auto / Manual / ATW / Indoor / Outdoor / Daylight lamp / Sodium lamp	Auto / Manual / ATW / Indoor / Outdoor / Daylight lamp / Sodium lamp
Automatic Gain Control	Auto / Manual	Auto / Manual
Signal-to-Noise Ratio	! 50dB	! 50dB
Digital zoom	16X	16X
Privacy masks	24 privacy masks programmable, optional multiple colours and mosaics	24 privacy masks programmable, optional multiple colours and mosaics
Defog	Support	Support
Smart tracking	Support	Support
Smart IR	Support	Support
IR range	150 m	150 m
IR intensity	Automatically adjusted, depending on the zoom ratio	Automatically adjusted, depending on the zoom ratio
PTZ		
Zoom speed	Approx. 2.7 s (Optical Wide-Tele)	Approx.3 s (Optical Wide-Tele)
Angle of view	58.3 ~ 3.2 degree (Wide-Tele)	65.5 ~ 2.11 degree (Wide-Tele)
Min. distance	10 ~ 1,500mm (Wide-Tele)	10 ~ 1,500mm (Wide-Tele)
Aperture range	F1.6 ~ F3.5	F1.6 ~ F5.0
Pan range & Speed	360° endless Pan Manual Speed: 0.1° ~ 160°/s Pan Preset Speed: 160°/s	360° endless Pan Manual Speed: 0.1° ~ 160°/s Pan Preset Speed: 160°/s
Tilt Range & Speed	-2° ~ 90°(Auto Flip) Tilt Manual Speed: 0.1° ~ 120°/s Tilt Preset Speed: 120°/s	-2° ~ 90°(Auto Flip) Tilt Manual Speed: 0.1° ~ 120°/s Tilt Preset Speed: 120°/s
Presets	256	256
Patrol	8 patrols, up to 32 presets per patrol	8 patrols, up to 32 presets per patrol
Pattern	4 patterns, with the recording time not less than 10 minutes per pattern	4 patterns, with the recording time not less than 10 minutes per pattern
Park action	Preset / Patrol / Pattern / Pan scan / Tilt scan / Random scan / Frame scan / Panorama scan	Preset / Patrol / Pattern / Pan scan / Tilt scan / Random scan / Frame scan / Panorama scan
PTZ recovery	Support	Support
PTZ position display	Support	Support
Preset freeze time	Support	Support
Scheduled task	Preset / Patrol / Pattern / Pan scan / Tilt scan / Random scan / Frame scan / Panorama scan/Dome reboot/Self-test action/Alarm output	Preset / Patrol / Pattern / Pan scan / Tilt scan / Random scan / Frame scan / Panorama scan/Dome reboot/Self-test action/Alarm output
VIDEO		
Max. resolution	1280 × 960	1280 × 960
Effective pixels	1320K pixels	1320K pixels
Frame rate	50Hz:25fps(1280×960), 25fps (1280×720) 60Hz:30fps(1280×960), 30fps (1280×720)	50Hz:25fps(1280×960), 25fps (1280×720) 60Hz:30fps(1280×960), 30fps (1280×720)
Video compression	H.264/MJPEG/MPEG4, H.264 encoding with Baseline/Main/High profile	H.264 / MJPEG / MPEG4, H.264 encoding with Baseline / Main / High profile
Scalable Video Coding	Support	Support
ROI encoding	Support	Support
Video streaming	Triple stream	Triple stream
Video output	1.0V[p-p] / 75", NTSC (or PAL) composite, BNC	1.0V[p-p] / 75", NTS C (or PAL) composite, BNC



SED-34115R12-Y20
SED-34115R1-EY20



SED-34115R12-Y30
SED-34115R1-EY30

IP IR DOME PTZ CAMERA. OUTDOOR

	1/3" Progressive Scan CMOS sensor 1.3 Megapixel resolution 4.7 - 94 mm lens 20x Optical zoom 150 m IR Range	1/3" Progressive Scan CMOS sensor 1.3 Megapixel resolution 4.3 - 129 mm lens 30x Optical zoom 150 m IR Range.
AUDIO/ALARM		
Audio compression	G.711u / G.711a / G.726 / MP2L2	G.711u / G.711a / G.726 / MP2L2
Audio input	1 Mic in/Line in interface. Line input: 2-2.4V[p-p]; output impedance: 1K Ω , $\pm$ 10%	1 Mic in/Line in interface. Line input: 2-2.4V[p-p]; output impedance: 1K Ω , $\pm$ 10%
Audio output	1 Audio output interface. Line level, impedance: 600 Ω	1 Audio output interface. Line level, impedance: 600 Ω
Alarm I/O	7 inputs/2 relay outputs	7 inputs/2 relay outputs
Alarm trigger	Motion detection, Audio Exception Detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception	Motion detection, Audio Exception Detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception
Alarm actions	Preset, Patrol, Pattern, SD/SDHC card recording, Relay output, Notification on Client	Preset, Patrol, Pattern, SD/SDHC card recording, Relay output, Notification on Client
NETWORK		
Local storage	Built-in SD/SDHC Slot, up to 32GB, support manual / alarm / edge recording	Built-in SD/SDHC Slot, up to 32GB, support manual / alarm / edge recording
Protocols	IPv4/IPv6, HTTP, HTTPS, 802.1x, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE	IPv4/IPv6, HTTP, HTTPS, 802.1x, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE
Communication interface	10Base-T / 100Base-TX, RJ45 connector	10Base-T / 100Base-TX, RJ45 connector
Security	User authentication (ID and Password), Host authentication (MAC address), IP address filtering	User authentication (ID and Password), Host authentication (MAC address), IP address filtering
Simultaneous live views	Up to 10	Up to 10
Simultaneous users	Up to 32 users	Up to 32 users
User levels	3 Levels: Administrator, Operator and User	3 Levels: Administrator, Operator and User
PTZ control	RS-485 (Pelco-P, Pelco-D, self-adaptive)	RS-485 (Pelco-P, Pelco-D, self-adaptive)
Compliance	ONVIF, PSIA and CGI	ONVIF, PSIA and CGI
GENERAL		
Power supply	-Y20: 24 V AC -EY20 : 24 V AC/High PoE	-Y30: 24 V AC -EY30 : 24 V AC/High PoE
Power consumption	-Y20: max 50 W -EY20: max. 60 W (24 V AC) /max. 50 W (High-PoE)	-Y30: max 50 W -EY30: max. 60 W (24 V AC) /max. 50 W (High-PoE)
Operating conditions	-Y20: -30°C ~ 65°C (-22°F ~ 149°F) -EY20: -40°C ~ 65°C (-40°F ~ 149°F) (24 V AC) /-30°C ~ 65°C (-22°F ~ 149°F) (High-PoE) Humidity: 90% or less	-Y30: -30°C ~ 65°C (-22°F ~ 149°F) -EY30: 40°C ~ 65°C (-40°F ~ 149°F) (24 V AC) /-30°C ~ 65°C (-22°F ~ 149°F) (High-PoE) Humidity: 90% or less
Protection level	IP66, TVS 4,000V lightning protection, surge protection and voltage transient protection	IP66, TVS 4,000V lightning protection, surge protection and voltage transient protection
Dimensions	"245 × 399 mm ("9.65" × 15.71")	"245 × 399 mm ("9.65" × 15.71")
Weight	Approx. 5.5 Kg (12.13 lbs)	Approx. 5.5 Kg (12.13 lbs)



SED-35115R10-Y20
SED-35115R1-EY20



SED-35115R12-Y30
SED-35115R1-EY30



SED-35115R12-Y20

1/2.8" Progressive Scan CMOS sensor
2 Megapixel resolution
4.7 - 94 mm lens
20x Optical zoom
150 m IR Range

1/2.8" Progressive Scan CMOS sensor
2 Megapixel resolution
4.3 - 129 mm Lens
30x Optical zoom
150 m IR Range

1/2.8" Progressive Scan CMOS sensor
2 Megapixel resolution
4.7 - 94 mm lens
20x Optical zoom
150 m IR Range
WDR

CAMERA

Sensor	1/2.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS
Min. illumination	Colour : 0.4lux (F1.6,1/30 sec, 50 IRE, AGC on); 0.05lux (F1.6,1/1 sec, 50 IRE, AGC on); 0 lux with IR B/W : 0.03lux (F1.6,1/30 sec, 50 IRE, AGC on); 0.005lux (F1.6,1/1 sec, 50 IRE, AGC on); 0 lux with IR	Colour : 0.4lux (F1.6,1/30 sec, 50 IRE, AGC on); 0.05lux (F1.6,1/1 sec, 50 IRE, AGC on); 0 lux with IR B/W : 0.03lux (F1.6,1/30 sec, 50 IRE, AGC on); 0.005lux (F1.6,1/1 sec, 50 IRE, AGC on); 0 lux with IR	High sensitivity: Colour: 0.5 Lux @F1.6,B/W: 0.08 Lux @F1.6 , 0 Lux with IR Normal: Colour: 1.7 Lux @F1.6 ,B/W: 0.26 Lux @F1.6, 0 Lux with IR
Lens	4.7 ~ 94 mm, 20X optical zoom	4.3 ~ 129.0 mm, 30X optical zoom	4.7 ~ 94 mm, 20X optical zoom
Shutter time	50Hz: 1 ~ 1/30,000 s 60Hz: 1 ~ 1/30,000 s	50Hz: 1 ~ 1/30,000 s 60Hz: 1 ~ 1/30,000 s	50Hz: 1 ~ 1/30,000 s 60Hz: 1 ~ 1/30,000 s
Focus mode	Auto / Semiautomatic / Manual	Auto / Semiautomatic / Manual	Auto / Semiautomatic / Manual
Day/Night	IR Cut Filter	IR Cut Filter	IR Cut Filter
Digital Noise Reduction	3D DNR	3D DNR	3D DNR
Wide Dynamic Range	Digital WDR	Digital WDR	128 dB
Backlight compensation	HLC / BLC	HLC / BLC	BLC
White balance	Auto / Manual / ATW / Indoor / Outdoor / Daylight lamp / Sodium lamp	Auto / Manual / ATW / Indoor / Outdoor / Daylight lamp / Sodium lamp	Auto / Manual / ATW / Indoor / Outdoor / Daylight lamp / Sodium lamp
Automatic Gain Control	Auto / Manual	Auto / Manual	Auto / Manual
Signal-to-Noise Ratio	! 50dB	! 50dB	! 50dB
Digital zoom	16X	16X	12X
Privacy masks	24 privacy masks programmable, optional multiple colours and mosaics	24 privacy masks programmable, optional multiple colours and mosaics	24 privacy masks programmable, optional multiple colours and mosaics
Defog	Support	Support	Support
Smart tracking	Support	Support	Support
Smart IR	Support	Support	No
IR range	150 m	150 m	150 m
IR intensity	Automatically adjusted, depending on the zoom ratio	Automatically adjusted, depending on the zoom ratio	Automatically adjusted, depending on the zoom ratio

PTZ

Zoom speed	Approx. 2.7s (Optical Wide-Tele)	Approx.3s (Optical Wide-Tele)	Approx. 2.3s (Optical Wide-Tele)
Angle of view	58.3 ~ 3.2 degree (Wide-Tele)	65.5 ~ 2.11 degree (Wide-Tele)	55.4 ~ 2.9 degree (Wide-Tele)
Min. distance	10 ~ 1,500mm (Wide-Tele)	10 ~ 1,500mm (Wide-Tele)	10 ~ 1000mm(Wide-Tele)
Aperture range	F1.6 ~ F3.5	F1.6 ~ F5.0	F1.6 ~ F3.5
Pan range & Speed	360° endless Pan Manual Speed: 0.1° ~ 160°/s Pan Preset Speed: 240°/s	360° endless Pan Manual Speed: 0.1° ~ 160°/s Pan Preset Speed: 240°/s	360° endless Pan Manual Speed: 0.1° ~ 160°/s Pan Preset Speed: 240°/s
Tilt Range & Speed	-2° ~ 90°(Auto Flip) Tilt Manual Speed: 0.1° ~ 120°/s Tilt Preset Speed: 200°/s	-2° ~ 90°(Auto Flip) Tilt Manual Speed: 0.1° ~ 120°/s Tilt Preset Speed: 200°/s	-2° ~ 90°(Auto Flip) Tilt Manual Speed: 0.1° ~ 120°/s Tilt Preset Speed: 200°/s
Presets	256	256	256
Patrol	8 patrols, up to 32 presets per patrol	8 patrols, up to 32 presets per patrol	8 patrols, up to 32 presets per patrol
Pattern	4 patterns, with the recording time not less than 10 minutes per pattern	4 patterns, with the recording time not less than 10 minutes per pattern	4 patterns, with the recording time not less than 10 minutes per pattern
Park action	Preset / Patrol / Pattern / Pan scan / Tilt scan / Random scan / Frame scan / Panorama scan	Preset / Patrol / Pattern / Pan scan / Tilt scan / Random scan / Frame scan / Panorama scan	Preset / Patrol / Pattern / Pan scan / Tilt scan / Random scan / Frame scan / Panorama scan
PTZ recovery	Support	Support	Support
PTZ position display	Support	Support	Support
Preset freeze time	Support	Support	Support
Scheduled task	Preset / Patrol / Pattern / Pan scan / Tilt scan / Random scan / Frame scan / Panorama scan/Dome reboot/Self-test action/Alarm output	Preset / Patrol / Pattern / Pan scan / Tilt scan / Random scan / Frame scan / Panorama scan/Dome reboot/Self-test action/Alarm output	Preset / Patrol / Pattern / Pan scan / Tilt scan / Random scan / Frame scan / Panorama scan/Dome reboot/Self-test action/Alarm output

VIDEO

Max. resolution	1920×1080	1920×1080	1920×1080
Effective pixels	2230K pixels	2230K pixels	2230K pixels
Frame rate	50Hz: 25 fps (1920×1080), 25 fps (1280×960) , 25 fps (1280×720) 60Hz: 30 fps (1920×1080), 30 fps (1280×960) , 30 fps (1280×720)	50Hz: 25 fps (1920×1080), 25 fps (1280×960) , 25 fps (1280×720) 60Hz: 30 fps (1920×1080), 30 fps (1280×960) , 30 fps (1280×720)	50Hz: 25 fps (1920×1080), 25 fps (1280×960) , 50 fps (1280×720) 60Hz: 30 fps (1920×1080), 30 fps (1280×960) , 60 fps (1280×720)
Video compression	H.264 / MJPEG / MPEG4, H.264 encoding with Baseline / Main / High profile	H.264 / MJPEG / MPEG4, H.264 encoding with Baseline / Main / High profile	H.264 / MJPEG / MPEG4, H.264 encoding with Baseline / Main / High profile
Scalable Video Coding	Support	Support	No
ROI encoding	Support	Support	Support
Video streaming	Triple stream	Triple stream	Triple stream
Video output	1.0V[p-p] / 75", NTSC (or PAL) composite, BNC	1.0V[p-p] / 75", NTSC (or PAL) composite, BNC	1.0V[p-p] / 75", NTSC (or PAL) composite, BNC

**IP IR DOME PTZ
CAMERA. OUTDOOR**



**SED-35115R10-Y20
SED-35115R1-EY20**



**SED-35115R12-Y30
SED-35115R1-EY30**



SED-35115R12-Y20

1/2.8" Progressive Scan CMOS sensor 2 Megapixel resolution 4.7 - 94 mm lens 20x Optical zoom 150 m IR Range	1/2.8" Progressive Scan CMOS sensor 2 Megapixel resolution 4.3 - 129 mm Lens 30x Optical zoom 150 m IR Range	1/2.8" Progressive Scan CMOS sensor 2 Megapixel resolution 4.7 - 94 mm lens 20x Optical zoom 150 m IR Range WDR
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AUDIO/ALARM

Audio compression	G.711u / G.711a / G.726 / MP2L2	G.711u / G.711a / G.726 / MP2L2	G.711u / G.711a / G.726 / MP2L2
Audio input	1 Mic in/Line in interface. Line input: 2-2.4V[p-p]; output impedance: 1K Ω , $\pm$ 10%	1 Mic in/Line in interface. Line input: 2-2.4V[p-p]; output impedance: 1K Ω , $\pm$ 10%	1 Mic in/Line in interface. Line input: 2-2.4V[p-p]; output impedance: 1K Ω , $\pm$ 10%
Audio output	1 Audio output interface. Line level, impedance: 600 Ω	1 Audio output interface. Line level, impedance: 600 Ω	1 Audio output interface. Line level, impedance: 600 Ω
Alarm I/O	7 inputs/2 relay outputs	7 inputs/2 relay outputs	7 inputs/2 relay outputs
Alarm trigger	Motion detection, Audio Exception Detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception	Motion detection, Audio Exception Detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception	Motion detection, Audio Exception Detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception
Alarm actions	Preset, Patrol, Pattern, SD/SDHC card recording, Relay output, Notification on Client	Preset, Patrol, Pattern, SD/SDHC card recording, Relay output, Notification on Client	Preset, Patrol, Pattern, SD/SDHC card recording, Relay output, Notification on Client

NETWORK

Local storage	Built-in SD/SDHC Slot, up to 32GB, support manual / alarm / edge recording	Built-in SD/SDHC Slot, up to 32GB, support manual / alarm / edge recording	Built-in SD/SDHC Slot, up to 32GB, support manual / alarm / edge recording
Protocols	IPv4/IPv6, HTTP, HTTPS, 802.1x, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE	IPv4/IPv6, HTTP, HTTPS, 802.1x, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE	IPv4/IPv6, HTTP, HTTPS, 802.1x, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE
Communication interface	10Base-T / 100Base-TX, RJ45 connector	10Base-T / 100Base-TX, RJ45 connector	10Base-T / 100Base-TX, RJ45 connector
Security	User authentication (ID and Password), Host authentication (MAC address), IP address filtering	User authentication (ID and Password), Host authentication (MAC address), IP address filtering	User authentication (ID and Password), Host authentication (MAC address), IP address filtering
Simultaneous live views	Up to 10	Up to 10	Up to 10
Simultaneous users	Up to 32 users	Up to 32 users	Up to 32 users
User levels	3 Levels: Administrator, Operator and User	3 Levels: Administrator, Operator and User	3 Levels: Administrator, Operator and User
PTZ control	RS-485 (Pelco-P, Pelco-D, self-adaptive)	RS-485 (Pelco-P, Pelco-D, self-adaptive)	RS-485 (Pelco-P, Pelco-D, self-adaptive)
Compliance	ONVIF, PSIA and CGI	ONVIF, PSIA and CGI	ONVIF, PSIA and CGI

GENERAL

Power supply	-Y20: 24 V AC -EY20 : 24 V AC/High PoE	-Y30: 24 V AC -EY30 : 24 V AC/High PoE	24 V AC
Power consumption	-Y20: max 50 W -EY20: max. 60 W (24 V AC) /max. 50 W (High-PoE)	-Y30: max 50 W -EY30: max. 60 W (24 V AC) /max. 50 W (High-PoE)	Max 55 W
Operating conditions	-Y20: -30°C ~ 65°C (-22°F ~ 149°F) -EY20: -40°C ~ 65°C (-40°F ~ 149°F) (24 V AC) /-30°C ~ 65°C (-22°F ~ 149°F) (High-PoE) Humidity: 90% or less	-Y30: -30°C ~ 65°C (-22°F ~ 149°F) -EY30: 40°C ~ 65°C (-40°F ~ 149°F) (24 V AC) /-30°C ~ 65°C (-22°F ~ 149°F) (High-PoE) Humidity: 90% or less	-30°C ~ 65°C (-22°F ~ 149°F) Humidity: 90% or less
Protection level	IP66, TVS 4,000V lightning protection, surge protection and voltage transient protection	IP66, TVS 4,000V lightning protection, surge protection and voltage transient protection	IP66, TVS 4,000V lightning protection, surge protection and voltage transient protection
Dimensions	"245 × 399 mm ("9.65" × 15.71")	"245 × 399 mm ("9.65" × 15.71")	"245 × 399 mm ("9.65" × 15.71")
Weight	Approx. 5.5 Kg (12.13 lbs)	Approx. 5.5 Kg (12.13 lbs)	Approx. 5.5 Kg (12.13 lbs)



IP IR BULLET CAMERA. OUTDOOR

30 m
IR Range



1.3 - 3
Megapixel

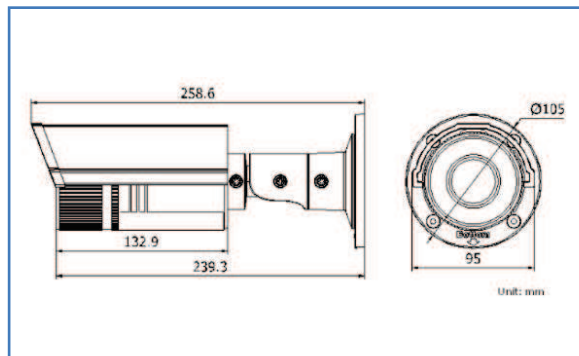


The **IP IR BULLET** camera delivers superior image quality with a resolution of up to **3 Megapixel**, true Day/Night and digital WDR functionalities. It is capable of performing well even under **low-light** conditions, given its extremely high sensitivity and its **integrated IR** illuminators. Its **discreet size** and easy installation make it a multipurpose camera for the most demanding surveillance needs.

- 1/3" Progressive Scan CMOS Sensor
- 1.3 - 3 Megapixel resolution
- 2.8 - 12 mm Varifocal Lens
- 30 meter IR range
- Outdoor (IP66)
- On-board storage support

IP IR BULLET CAMERA. OUTDOOR

DIMENSIONS (Unit: mm)



AVAILABLE MODELS

SEC-3411NR3-EY: 1.3 Megapixel

SEC-3411NR3-EYA: 1.3 Megapixel, Audio/Alarm

SEC-3611NR2-EY: 3 Megapixel

SEC-3611NR2-EYA: 3 Megapixel, Audio/Alarm



**SEC-3411NR3-EY
SEC-3411NR3-EYA**



**SEC-3611NR2-EY
SEC-3611NR2-EYA**

	1/3" Progressive Scan CMOS sensor 1.3 Megapixel resolution 2.8 - 12 mm Varifocal Lens 30 meter IR range	1/3" Progressive Scan CMOS sensor 3 Megapixel resolution 2.8 - 12 mm Varifocal Lens 30 meter IR range
CAMERA		
Sensor	1/3" Progressive Scan CMOS	1/3" Progressive Scan CMOS
Min. illumination	0.01 lux @F1.2, AGC ON 0 lux with IR	0.07 lux @F1.2, AGC ON 0 lux with IR
Lens	2.8 - 12 mm @F1.4	° 2.8 - 12 mm @ F1.4
Angle of view	80° ~ 28.7°	105.2°~31.9°
Lens mount	1/4	1/4
Shutter time	1/25 s (1/30 s) ~ 1/100,000 s	1/25 s (1/30 s) ~ 1/100,000 s
Day/Night	Infrared Cut Filter	Infrared Cut Filter
Digital Noise Reduction	3D DNR	3D DNR
Wide Dynamic Range	Digital WDR	Digital WDR
Backlight compensation	Yes, zone configurable	Yes, zone configurable
IR range	30 m	30 m
VIDEO		
Max. resolution	1280 × 960	2048 × 1536
Frame rate	50 Hz: 25 fps (1280 × 960), 25 fps (1280 × 720), 25 fps (704 × 576), 25 fps (640 × 480) 60 Hz: 30 fps (1280 × 960), 30 fps (1280 × 720), 30 fps (704 × 576), 30 fps (640 × 480)	50Hz: 20fps (2048 × 1536), 25fps (1920 × 1080), 25fps (1280 × 720) 60Hz: 20fps (2048 × 1536), 30fps (1920 × 1080), 30fps (1280 × 720)
video compression	H.264 / MJPEG	H.264 / MJPEG
Video bit rate	32 Kbps - 16 Mbps	32 Kbps - 16 Mbps
Video Streaming	Dual stream	Dual stream
Image settings	Corridor mode, Saturation, brightness, contrast, sharpness adjustable through client software or web browser	Corridor mode, Saturation, brightness, contrast, sharpness adjustable through client software or web browser
AUDIO/ALARM		
Audio compression	G.711 / G.726 / MP2L2	G.711 / G.726 / MP2L2
Audio bit rate	64 Kbps (G.711) / 16 Kbps (G.726) / 32-128 Kbps (MP2L2)	64 Kbps (G.711) / 16 Kbps (G.726) / 32-128 Kbps (MP2L2)
Audio I/O	-EYA: 1-ch audio I/O interface	-EYA: 1-ch audio I/O interface
Alarm I/O	-EYA: 1-ch alarm I/O interface	-EYA: 1-ch alarm I/O interface
Alarm trigger	Motion detection, Tampering alarm, Network disconnect, IP address conflict, Storage full , Storage error	Motion detection, Tampering alarm, Network disconnect, IP address conflict, Storage full , Storage error
NETWORK		
Local storage	Built-in Micro SD / SDHC / SDXC card slot, up to 64 GB	Built-in Micro SD / SDHC / SDXC card slot, up to 64 GB
Network storage	NAS	NAS
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour
Communication interface	1 RJ45 10 M / 100 M Ethernet port	1 RJ45 10 M / 100 M Ethernet port
Security	User authentication, watermark	User authentication, watermark
Compliance	ONVIF, PSIA, CGI, ISAPI	ONVIF, PSIA, CGI, ISAPI
GENERAL		
Power supply	12 V DC ± 10% , PoE (802.3af)	12 V DC ± 10% , PoE (802.3af)
Power consumption	Max. 5.5 W (7.5W with ICR on)	Max. 5.5W (7.5 W with ICR on)
Operating conditions	-30 °C ~ 60 °C (-22°F ~ 140 °F) Humidity: 95% or less (non-condensing)	-30 °C ~ 60 °C (-22°F ~ 140 °F) Humidity: 95% or less (non-condensing)
Protection level	IP66	IP66
Dimensions	95 × 105 × 258.6 mm (3.74" × 4.13" × 10.18")	95 × 105 × 258.6 mm (3.74" × 4.13" × 10.18")
Weight	1,200 g	1,200 g



IP PLUS BULLET 1.3 MP

CAMERA. OUTDOOR

30 m range
Infrared



1.3 Megapixel
Resolution



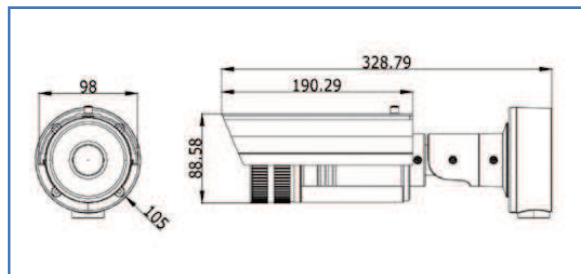
The **IP PLUS BULLET 1.3 MP** camera features **1.3 Megapixel** resolution and **120 dB WDR**. It is capable of performing well even under **low-light** conditions, given its high sensitivity and its **smart Infrared** capability, regulating IR intensity to optimize image quality. Its **smart functionalities** such as Defog, EIS and 3D DNR make it the perfect solution for the most demanding surveillance needs.

- 1/3" Progressive Scan CMOS Sensor
- 1.3 Megapixel resolution
- 2.8 - 12 mm Varifocal Lens
- 120 dB Wide Dynamic Range
- Smart IR

IP PLUS BULLET 1.3 MP

CAMERA. OUTDOOR

DIMENSIONS (Unit: mm)



AVAILABLE MODELS

SiC-3411NR-EX2: 1.3 Megapixel, 2.8 - 12 mm Varifocal lens

SiC-3411NR-EXM2: 1.3 Megapixel, 2.8 - 12 mm motorized Varifocal lens



SiC-3411NR-EX2
SiC-3411NR-EXM2

1/3" Progressive Scan CMOS sensor
2.8 - 12 / 8-12 mm Varifocal Lens
1.3 Megapixel resolution
Smart IR, 30 meter Range

CAMERA	
Sensor	1/3" Progressive Scan CMOS
Min. illumination	0.01 lux @F1.2, AGC on 0 lux with IR
Lens	2.8 ~ 12 mm @F1.4 -EXM2: motorized
Angle of view	98.4° ~ 30.2°
Lens mount	!14
Shutter time	1 s ~ 1/100,000 s
Slow shutter	Yes
Auto iris	DC drive
Day/Night	ICR (Auto / Schedule / Alarm Trigger)
Digital Noise Reduction	3D DNR
Wide Dynamic Range	120 dB WDR
Backlight compensation	Yes, zone configurable
Defog	Yes
Electronic Image Stabilization	Yes
Smart IR	Yes
IR range	30 m
VIDEO	
Max. resolution	1280 × 960
Frame rate	50 Hz: 25 fps (1280 × 960), 50 fps (1280 × 720), WDR OFF 60 Hz: 30 fps (1280 × 960), 60 fps (1280 × 720), WDR OFF
Video compression	H.264 (Baseline Profile / Main Profile / High Profile) / MPEG4 MJPEG
ROI encoding	Yes, up to 4 configurable areas
Video bit rate	32 Kbps - 16 Mbps
Video streaming	Triple stream Third stream independent
Overlay image	24 bit BMP
Image settings	Corridor mode, saturation, brightness, contrast, grayscale adjustable through client software or web browser
AUDIO/ALARM	
Alarm trigger	Intrusion detection, Defocus detection, Motion detection, Face detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception
NETWORK	
Local storage	Micro SD/SDXC card slot, max. 64 GB
Network storage	NAS
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour (SIP optional)
Communication interface	1 RJ45 10M / 100M Ethernet port 1-ch RS-485
Security	User authentication, watermark, IP address filtering, anonymous access, reset
Compliance	ONVIF, PSIA and CGI
Reset button	Yes
GENERAL	
Power supply	12 V DC ± 10%, PoE (802.3af)
Power consumption	Max. 11 W -EXM2: Max. 12 W
Operating conditions	-30 °C - 60 °C (22 °F - 140 °F) Humidity 95% or less (non-condensing)
Protection level	IP66
Dimensions	98 x 105 × 328.8 mm
Weight	1,700 g (3.75 lbs)

IP PLUS MINIDOME IR CAMERA INDOOR

30 m range
Infrared



1.3 - 3
Megapixel



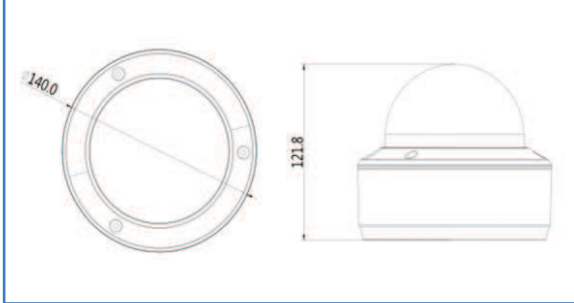
IP PLUS MINIDOME IR cameras feature an advanced **Megapixel** CMOS sensor which offers **crystal clear images** and integrate **smart Infrared illuminators** to perform well even under low-light conditions. With models including **120 dB Wide Dynamic Range**, allowing them to compensate backlighting, they are able to meet the most demanding surveillance needs. Their discreet size and **vandalproof** housing make them perfect to protect critical assets indoors.

- Progressive Scan CMOS Sensor
- 1.3 - 3 Megapixel resolution
- 2.8 - 12 mm Varifocal lens
- 120 dB WDR (Depending on the model)
- Smart IR
- Vandalproof

IP PLUS MINIDOME IR

CAMERA. INDOOR

DIMENSIONS (Unit mm)



AVAILABLE MODELS

SiM-3401NVR-E: 1.3 Megapixel

SiM-3401NVR-EM: 1.3 Megapixel, motorized lens

SiM-3401NVR-EX: 1.3 Megapixel, 120 dB WDR

SiM-3401NVR-EXM: 1.3 Megapixel, 120 dB WDR, motorized lens

SiM-3501NVR-E: 2 Megapixel

SiM-3501NVR-EM: 2 Megapixel, motorized lens

SiM-3601NVR-EX: 3 Megapixel, 120 dB WDR

SiM-3601NVR-EXM: 3 Megapixel, 120 dB WDR, motorized lens



SiM-3401NVR-E
SiM-3401NVR-EM



SiM-3401NVR-EX
SiM-3401NVR-EXM

1/3" Progressive Scan CMOS sensor
1.3 Megapixel resolution
2.8 - 12 mm Varifocal lens
30 meter IR Range

1/3" Progressive Scan CMOS sensor
1.3 Megapixel resolution
2.8 - 12 mm Varifocal lens
120 dB WDR
30 meter IR Range

CAMERA		
Sensor	1/3" Progressive Scan CMOS	1/3" Progressive Scan CMOS
Min. illumination	0.01 lux@F1.2, AGC on 0 lux with IR	0.01 lux@F1.2, AGC on 0 lux with IR
Lens	2.8 - 12 mm @F1.4 - EM: motorized lens	2.8 - 12 mm @F1.4 - EXM: motorized lens
Angle of view	98.4° ~ 30.2°	98.4° ~ 30.2°
Angle adjustment	Pan: 0° ~ 355° Tilt: 0° ~ 75° Rotation: 0° ~ 355°	Pan: 0° ~ 355° Tilt: 0° ~ 75° Rotation: 0° ~ 355°
Lens mount	!14	!14
Shutter time	1 s ~ 1/100,000 s	1 s ~ 1/100,000 s
Slow shutter	Yes	Yes
Auto iris	DC drive	DC drive
Day/Night	ICR (Auto / Schedule / Alarm Trigger)	ICR (Auto / Schedule / Alarm Trigger)
DNR	3D DNR	3D DNR
Wide Dynamic Range	Digital WDR	120 dB WDR
BLC	BLC zone configurable / HLC	Yes, zone configurable
Defog	Yes	Yes
EIS	Yes	Yes
Smart IR	Yes	Yes
IR range	30 m	30 m
VIDEO		
Max. resolution	1280 × 1024	1280 × 960
Frame rate	50 Hz: 25fps (1280 × 1024), 25fps (1280 × 960), 50fps (1280 × 720) 60 Hz: 30fps (1280 × 1024), 30fps (1280 × 960), 60fps (1280 × 720)	50 Hz: 25fps (1280 × 960), 50fps (1280 × 720), WDR OFF 60 Hz: 30fps (1280 × 960), 60fps (1280 × 720), WDR OFF
Video compression	H.264 (Baseline profile / Main profile / High profile) / MJPEG	H.264 (Baseline profile / Main profile / High profile) / MJPEG
ROI encoding	Support, up to 4 configurable areas	Support, up to 4 configurable areas
Video bit rate	32 Kbps - 16 Mbps	32 Kbps - 16 Mbps
Video Streaming	Triple stream Third stream independent	Triple stream Third stream independent
Overlay image	24 bit BMP	24 bit BMP
Image settings	Corridor mode, saturation, brightness, contrast, grayscale adjustable through client software or web browser	Corridor mode, saturation, brightness, contrast, grayscale adjustable through client software or web browser
Video output	1 Vp-p composite output (75 " / BNC)	1 Vp-p composite output (75 " / BNC)
AUDIO/ALARM		
Audio compression	G.711 / G.726 / MP2L2	G.711 / G.726 / MP2L2
Audio Bit Rate	64 Kbps (G.711) / 16 Kbps (G.726)	64 Kbps (G.711) / 16 Kbps (G.726)
Audio input	1-ch 3.5 mm audio interface, Mic in/Line in	1-ch 3.5mm audio interface, Mic in/Line in
Audio output	1-ch 3.5 mm audio interface	1-ch 3.5 mm audio interface
Alarm I / O	1 / 1	1 / 1
Alarm trigger	Intrusion detection, motion detection, face detection, tampering alarm, defocus, network disconnect, IP address conflict, storage exception	Intrusion detection, Defocus detection, Motion detection, Face detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception
NETWORK		
Local storage	Built-in micro SD/SDHC/SDXC card slot, up to 64 GB	Built-in micro SD/SDHC/SDXC card slot, up to 64 GB
Network storage	NAS	NAS
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour (SIP optional)	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour (SIP optional)
Communication interface	1 RJ45 10M / 100M Ethernet port 1 RS-485 interface 1 RS-232 interface	1 RJ45 10M / 100M Ethernet port 1 RS-485 interface 1 RS-232 interface
Security	User authentication, watermark, IP address filtering, anonymous access, reset	User authentication, watermark, IP address filtering, anonymous access, reset
Compliance	ONVIF, PSIA, CGI	ONVIF, PSIA, CGI
GENERAL		
Power supply	12 V DC ± 10%, PoE (802.3af)	12 V DC ± 10%, PoE (802.3af)
Consumption	Max. 6 W (IR on: 8 W; Motorized lens: 9 W)	Max. 6 W (IR on: 8 W Motorized lens: 9 W)
Operating conditions	-30 °C ~ 60 °C (-22°F ~ 140 °F) Humidity: 95% or less (non-condensing)	-30 °C ~ 60 °C (-22°F ~ 140 °F) Humidity: 95% or less (non-condensing)
Impact protection	IEC60068-275Eh, 50J; EN50102, up to IK10	IEC60068-275Eh, 50J; EN50102, up to IK10
Dimensions	! 140 × 121.8 mm (! 5.51" × 4.80")	! 140 × 121.8 mm (! 5.51" × 4.80")
Weight	1400 g (3.09 lbs.)	1400 g (3.09 lbs.)



SiM-3501NVR-E
SiM-3501NVR-EM



SiM-3601NVR-EX
SiM-3601NVR-EXM

1/2.8" progressive scan CMOS sensor
2 Megapixel resolution
2.8 - 12 mm Varifocal lens
30 meter IR Range

1/3" Progressive Scan CMOS sensor
3 Megapixel resolution
2.8 - 12 mm Varifocal lens
120 dB WDR
30 meter IR Range

CAMERA

Sensor	1/2.8" progressive scan CMOS	1/3" Progressive Scan CMOS
Min. illumination	0.01 lux @F1.2, AGC on 0 lux with IR	0.1 lux @F1.2, AGC on 0 lux with IR
Lens	2.8 - 12 mm @F1.4 - EM: motorized lens	2.8 - 12 mm @F1.4 - EXM: motorized lens
Angle of view	113° ~ 33.8°	91.2° ~ 28.3°
Angle adjustment	Pan: 0° ~ 355° Tilt: 0° ~ 75° Rotation: 0° ~ 355°	Pan: 0° ~ 355° Tilt: 0° ~ 75° Rotation: 0° ~ 355°
Lens mount	!14	!14
Shutter time	1 s ~ 1/100,000 s	1 s ~ 1/100,000 s
Slow shutter	Yes	Yes
Auto iris	DC drive	DC drive
Day/Night	ICR (Auto / Schedule / Alarm Trigger)	ICR (Auto / Schedule / Alarm Trigger)
DNR	3D DNR	3D DNR
Wide Dynamic Range	Digital WDR	120 dB WDR
BLC	BLC zone configurable / HLC	Yes, zone configurable
Defog	Yes	Yes
EIS	Yes	Yes
Smart IR	Yes	Yes
IR range	30 m	30 m

VIDEO

Max. resolution	1920 x 1080	2048 x 1536
Frame rate	50 Hz: 25fps (1920 x 1080), 25fps (1280 x 960), 25fps (1280 x 720) 60 Hz: 30fps (1920 x 1080), 30fps (1280 x 960), 30fps (1280 x 720)	50 Hz: 20fps (2048 x 1536), 25fps (1920 x 1080), 25fps (1280 x 720) 60 Hz: 20fps (2048 x 1536), 30fps (1920 x 1080), 30fps (1280 x 720)
Video compression	H.264 (Baseline profile / Main profile / High profile) / MPEG4 / MJPEG	H.264 (Baseline profile / Main profile / High profile) / MPEG4 / MJPEG
ROI encoding	Support, up to 4 configurable areas	Support, up to 4 configurable areas
Video bit rate	32 Kbps - 16 Mbps	32 Kbps - 16 Mbps
Video Streaming	Triple stream Third stream independent	Triple stream Third stream independent
Overlay image	24 bit BMP	24 bit BMP
Image settings	Corridor mode, saturation, brightness, contrast, grayscale adjustable through client software or web browser	Corridor mode, saturation, brightness, contrast, grayscale adjustable through client software or web browser
Video output	1 Vp-p composite output (75 " / BNC)	1 Vp-p composite output (75 " / BNC)

AUDIO / ALARM

Audio compression	G.711 / G.726 / MP2L2	G.711 / G.726 / MP2L2
Audio Bit Rate	64 Kbps (G.711) / 16 Kbps (G.726)	64 Kbps (G.711) / 16 Kbps (G.726)
Audio input	1-ch 3.5 mm audio interface, Mic in/Line in	1-ch 3.5 mm audio interface, Mic in/Line in
Audio output	1-ch 3.5 mm audio interface	1-ch 3.5 mm audio interface
Alarm I / O	1 / 1	1 / 1
Alarm trigger	Intrusion detection, Defocus detection, Motion detection, Face detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception	Intrusion detection, Defocus detection, Motion detection, Face detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception

NETWORK

Local storage	Built-in micro SD/SDHC/SDXC card slot, up to 64 GB	Built-in micro SD/SDHC/SDXC card slot, up to 64 GB
Network storage	NAS	NAS
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour (SIP optional)	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour (SIP optional)
Communication interface	1 RJ45 10M / 100M Ethernet port 1 RS-485 interface 1 RS-232 interface	1 RJ45 10M / 100M Ethernet port 1 RS-485 interface 1 RS-232 interface
Security	User authentication, watermark, IP address filtering, anonymous access, reset	User authentication, watermark, IP address filtering, anonymous access, reset
Compliance	ONVIF, PSIA, CGI	ONVIF, PSIA, CGI

GENERAL

Power supply	12 V DC ± 10%, PoE (802.3af)	12 V DC ± 10%, PoE (802.3af)
Power consumption	Max. 6 W (IR on: 8 W; Motorized lens: 9 W)	Max. 6.5 W (IR on: 8.5 W; Motorized lens: 9.5 W)
Operating conditions	-30 °C ~ 60 °C (-22°F ~ 140 °F) Humidity: 95% or less (non-condensing)	-30 °C ~ 60 °C (-22°F ~ 140 °F) Humidity: 95% or less (non-condensing)
Impact protection	IEC60068-275EH, 50J; EN50102, up to IK10	IEC60068-275EH, 50J; EN50102, up to IK10
Dimensions	! 140 × 121.8 mm (! 5.51" × 4.80")	! 140 × 121.8 mm (! 5.51" × 4.80")
Weight	1400 g (3.09 lbs.)	1400 g (3.09 lbs.)

IP IR FIXED LENS MINIDOME

CAMERA. OUTDOOR

10 - 30 m
IR Range

1.3 Megapixel
Resolution



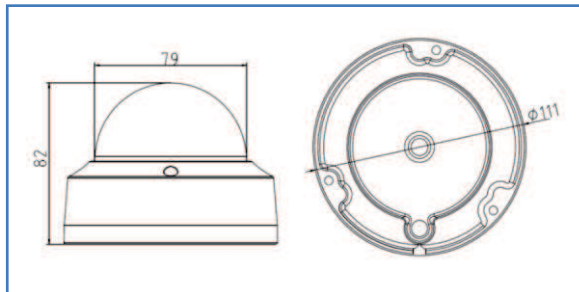
IP IR FIXED LENS MINIDOME cameras deliver an optimal image quality thanks to the combination of a **1.3 Megapixel** resolution sensor with **high sensitivity** and **Infrared illuminators**. This series includes models with **different fixed lenses** to adapt to any focal distance you may need. This, together with their **outdoor** and **vandalproof** housing, allow them to adapt to any surveillance scenario.

- 1/3" Progressive Scan CMOS Sensor
- 1.3 Megapixel resolution
- 2.8 mm, 4 mm, 6 mm or 12 mm fixed lens
- 10 - 30 meter IR range
- Outdoor (IP66)
- Vandalproof

IP IR FIXED LENS MINIDOME

CAMERA. OUTDOOR

DIMENSIONS (Unit: mm)



AVAILABLE MODELS

SEM-3411VR1-EY4: 4 mm fixed lens

SEM-3411VR1-EY2: 2.8 mm fixed lens

SEM-3411VR1-EY6: 6 mm fixed lens

SEM-3411VR1-EY12: 12 mm fixed lens



SEM-3411VR1-EY4

1/3" Progressive Scan CMOS sensor
4 mm fixed lens
1.3 Megapixel resolution
10 - 30 m IR range

CAMERA	
Sensor	1/3" Progressive Scan CMOS
Min. illumination	0.01 lux @ F1.2, AGC ON 0 lux with IR
Lens	4 mm @ F2.0 -EY2: 2.8 mm -EY6: 6 mm -EY12: 12 mm
Angle of view	92.5°(2.8 mm) 73.1°(4 mm) 46°(6 mm) 22°(12 mm)
Angle adjustment	Pan: 0° ~ 355° Tilt: 0° ~ 65°
Lens mount	M12
Shutter time	1/25 s ~ 1/100,000 s
Day/Night	IR cut filter with auto switch
Digital Noise Reduction	3D DNR
Wide Dynamic Range	Digital WDR
Backlight compensation	Yes, zone configurable
IR range	10 - 30 m
VIDEO	
Max. resolution	1280 × 960
Frame rate	50 Hz: 25 fps (1280 × 960), 25 fps (1280 × 720), 25 fps (704 × 576), 25 fps (640 × 480) 60 Hz: 30 fps (1280 × 960), 30 fps (1280 × 720), 30 fps (704 × 576), 30 fps (640 × 480)
Video compression	H.264 / MJPEG
ROI encoding	Support, up to 4 configurable areas
Video bit rate	32 Kbps - 16 Mbps
Video streaming	Dual stream
Image settings	Corridor mode, saturation, brightness, contrast, sharpness adjustable through client software or web browser
AUDIO/ALARM	
Alarm trigger	Motion detection, tampering alarm
NETWORK	
Network storage	NAS
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour
Communication interface	1 RJ45 10 M / 100 M Ethernet interface
Security	User authentication, watermark
Compliance	ONVIF, PSIA, CGI, ISAPI
GENERAL	
Power supply	12 V DC ± 10%, PoE (802.3af)
Power consumption	Max. 5W (7W with ICR on)
Operating conditions	-30 °C ~ 60 °C (-22°F ~ 140 °F) Humidity: 95% or less (non-condensing)
Impact protection	IEC60068-2-75Eh, 50J; EN50102, up to IK10
Protection level	IP66
Dimensions	!111 × 82 (4.4" × 3.2")
Weight	500 g (1.1 lbs.)

IP IR VF LENS MINIDOME

CAMERA. OUTDOOR

20 m
IR Range



1.3 - 3
Megapixel



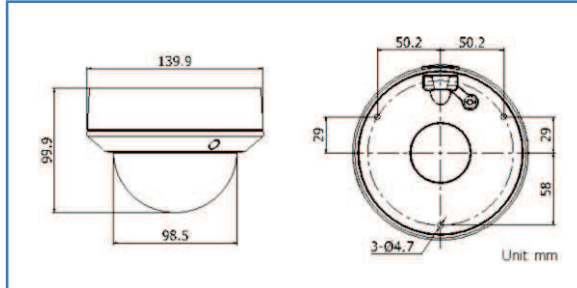
IP IR VF LENS MINIDOME cameras deliver outstanding image quality both at night and during the day thanks to a resolution up to **3 Megapixel** and **Infrared illuminators** with a 20 meter range. With a compact size, **vandalproof** housing and **outdoor IP66-level** protection, they are perfect for environments where tamper-resistant discreet domes are required.

- 1/3" Progressive Scan CMOS Sensor
- 1.3 - 3 Megapixel resolution
- 2.8 - 12 mm Varifocal lens
- 20 meter IR range
- Outdoor (IP66)
- Vandalproof

IP IR VF LENS MINIDOME

CAMERA. OUTDOOR

DIMENSIONS (Unit: mm)



AVAILABLE MODELS

SEM-3611NVR1-EY: 3 Megapixel, 20 meter IR range

SEM-3611NVR1-EYA: 3 Megapixel, 20 meter IR range, Audio/Alarm

SEM-3411NVR1-FEY: 1.3 Megapixel, 20 meter IR range

SEM-3411NVR1-FEYA: 1.3 Megapixel, 20 meter IR range, Audio/Alarm



SEM-3611NVR1-EY



SEM-3611NVR1-EYA

	1/3" Progressive Scan CMOS sensor 2.8 - 12 mm Varifocal lens 3 Megapixel resolution 20 m IR Range	1/3" Progressive Scan CMOS sensor 2.8 - 12 mm Varifocal lens 3 Megapixel resolution 20 m IR Range Audio/Alarm
CAMERA		
Sensor	1/3" Progressive Scan CMOS	1/3" Progressive Scan CMOS
Min. illumination	0.07 lux @F1.2, AGC ON 0 lux with IR	0.07 lux @F1.2, AGC ON 0 lux with IR
Lens	2.8 - 12 mm @ F1.4	2.8 - 12 mm @ F1.4
Angle of view	105.2° - 31.9°	105.2° - 31.9°
Angle adjustment	Pan: 0° ~ 355°, tilt: 0° ~ 75°, rotation: 0° ~ 355°	Pan: 0° ~ 355°, tilt: 0° ~ 75°, rotation: 0° ~ 355°
Lens mount	!14	!14
Shutter time	1/25 s (1/30s) ~ 1/100,000 s	1/25 s (1/30s) ~ 1/100,000 s
Auto iris	DC drive	DC drive
Day/Night	IR cut filter	IR cut filter
Digital Noise Reduction	3D DNR	3D DNR
Wide Dynamic Range	Digital WDR	Digital WDR
Backlight compensation	Yes, zone configurable	Yes, zone configurable
IR range	20 m	20 m
VIDEO		
Max. resolution	2048 × 1536	2048 × 1536
Frame rate	50Hz: 20fps (2048 × 1536), 25fps (1920 × 1080), 25fps (1280 × 720) 60Hz: 20fps (2048 × 1536), 30fps (1920 × 1080), 30fps (1280 × 720)	50Hz: 20fps (2048 × 1536), 25fps (1920 × 1080), 25fps (1280 × 720) 60Hz: 20fps (2048 × 1536), 30fps (1920 × 1080), 30fps (1280 × 720)
Video compression	H.264 / MJPEG	H.264 / MJPEG
ROI encoding	Support, up to 4 configurable areas	Support, up to 4 configurable areas
Video bit rate	32 Kbps - 16 Mbps	32 Kbps - 16 Mbps
Video streaming	Dual stream	Dual stream
Image settings	Corridor mode, Saturation, brightness, contrast, sharpness adjustable through client software or web browser	Rotate mode, Saturation, brightness, contrast, sharpness adjustable through client software or web browser
AUDIO/ALARM		
Audio compression	-	G.711 / G.726 / MP2L2
Audio bit rate	-	64 Kbps (G.711) / 16 Kbps (G.726) / 32-128 Kbps
Audio I/O	-	1-ch audio I/O interface
Alarm I/O	-	1-ch alarm I/O interface
Alarm trigger	Motion detection, tampering alarm	Motion detection, tampering alarm
NETWORK		
Local storage	Built-in Micro SD / SDHC / SDXC card slot, up to 64 GB	Built-in Micro SD / SDHC / SDXC card slot, up to 64 GB
Network storage	NAS	NAS
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour
Communication interface	1 RJ45 10 M / 100 M Ethernet interface	1 RJ45 10 M / 100 M Ethernet interface
Security	User authentication, watermark	User authentication, watermark
Compliance	ONVIF, PSIA, CGI, ISAPI	ONVIF, PSIA, CGI, ISAPI
GENERAL		
Power supply	12 V DC ± 10%, PoE (802.3af)	12 V DC ± 10%, PoE (802.3af)
Power consumption	Max. 5.5W (max. 7W with ICR on)	Max. 5.5W (max. 7W with ICR on)
Operating conditions	-30 °C ~ 60 °C (-22°F ~ 140 °F) Humidity: 95% or less (non-condensing)	-30 °C ~ 60 °C (-22°F ~ 140 °F) Humidity: 95% or less (non-condensing)
Impact protection	IEC60068-2-75Eh, 20J; EN50102, up to IK10	IEC60068-2-75Eh, 20J; EN50102, up to IK10
Protection level	IP66	IP66
Dimensions	!140 x 99.9 mm (! 5.51" x 3.94")	!140 x 99.9 mm (! 5.51" x 3.94")
Weight	1,000 g	1,000 g



SEM-3411NVR1-FEY



SEM-3411VR1-FEYA

1/3" Progressive Scan CMOS sensor 2.8 - 12 mm Varifocal lens 1.3 Megapixel resolution 20 m IR Range	1/3" Progressive Scan CMOS sensor 2.8 - 12 mm Varifocal lens 1.3 Megapixel resolution 20 m IR Range Audio/Alarm
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CAMERA		
Sensor	1/3" Progressive Scan CMOS	1/3" Progressive Scan CMOS
Min. illumination	0.01 lux @F1.2, AGC ON 0 lux with IR	0.01 lux @F1.2, AGC ON 0 lux with IR
Lens	2.8 - 12 mm @ F1.4	2.8 - 12 mm @ F1.4
Angle of view	80° ~ 28.7°	80° ~ 28.7°
Angle adjustment	Pan: 0° ~ 355°, tilt: 0° ~ 75°, rotation: 0° ~ 355°	Pan: 0° ~ 355°, tilt: 0° ~ 75°, rotation: 0° ~ 355°
Lens mount	!14	!14
Shutter time	1/25 s (1/30s) ~ 1/100,000 s	1/25 s (1/30s) ~ 1/100,000 s
Auto iris	DC drive	DC drive
Day/Night	IR cut filter	IR cut filter
Digital Noise Reduction	3D DNR	3D DNR
Wide Dynamic Range	Digital WDR	Digital WDR
Backlight compensation	Yes, zone configurable	Yes, zone configurable
IR range	20 m	20 m
VIDEO		
Max. resolution	1280 × 960	1280 × 960
Frame rate	50 Hz: 25 fps (1280 × 960), 25 fps (1280 × 720), 25 fps (704 × 576), 25 fps (640 × 480) 60 Hz: 30 fps (1280 × 960), 30 fps (1280 × 720), 30 fps (704 × 576), 30 fps (640 × 480)	50 Hz: 25 fps (1280 × 960), 25 fps (1280 × 720), 25 fps (704 × 576), 25 fps (640 × 480) 60 Hz: 30 fps (1280 × 960), 30 fps (1280 × 720), 30 fps (704 × 576), 30 fps (640 × 480)
Video compression	H.264 / MJPEG	H.264 / MJPEG
ROI encoding	Support, up to 4 configurable areas	Support, up to 4 configurable areas
Video bit rate	32 Kbps - 16 Mbps	32 Kbps - 16 Mbps
Video streaming	Dual stream	Dual stream
Image settings	Corridor mode, Saturation, brightness, contrast, sharpness adjustable through client software or web browser	Corridor mode, Saturation, brightness, contrast, sharpness adjustable through client software or web browser
AUDIO/ALARM		
Audio compression	-	G.711 / G.726 / MP2L2
Audio bit rate	-	64 Kbps (G.711) / 16 Kbps (G.726) / 32-128 Kbps
Audio I/O	-	1-ch audio I/O interface
Alarm I/O	-	1-ch alarm I/O interface
Alarm trigger	Motion detection, tampering alarm	Motion detection, tampering alarm
NETWORK		
Local storage	Built-in Micro SD / SDHC / SDXC card slot, up to 64 GB	Built-in Micro SD / SDHC / SDXC card slot, up to 64 GB
Network storage	NAS	NAS
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour
Communication interface	1 RJ45 10 M / 100 M Ethernet interface	1 RJ45 10 M / 100 M Ethernet interface
Security	User authentication, watermark	User authentication, watermark
Compliance	ONVIF, PSIA, CGI, ISAPI	ONVIF, PSIA, CGI, ISAPI
GENERAL		
Power supply	12 V DC ± 10%, PoE (802.3af)	12 V DC ± 10%, PoE (802.3af)
Power consumption	Max. 5.5W (max. 7W with ICR on)	Max. 5.5W (max. 7W with ICR on)
Operating conditions	-30 °C ~ 60 °C (-22°F ~ 140 °F) Humidity: 95% or less (non-condensing)	-30 °C ~ 60 °C (-22°F ~ 140 °F) Humidity: 95% or less (non-condensing)
Impact protection	IEC60068-2-75Eh, 20J; EN50102, up to IK10	IEC60068-2-75Eh, 20J; EN50102, up to IK10
Protection level	IP66	IP66
Dimensions	!140 x 99.9 mm (! 5.51" x 3.94")	!140 x 99.9 mm (! 5.51" x 3.94")
Weight	1,000 g	1,000 g



IP PLUS MINIDOME IR CAMERA OUTDOOR

30 m range
Infrared



1.3 - 3
Megapixel

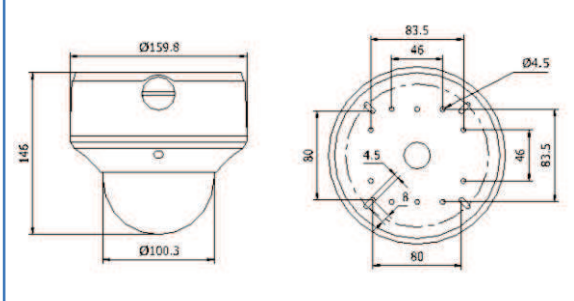


IP PLUS MINIDOME IR cameras feature an advanced **Megapixel CMOS sensor** which offers **crystal clear images** and integrate **smart Infrared illuminators** to perform well even under low-light conditions. With models including **120 dB Wide Dynamic Range**, allowing them to compensate backlighting, they are able to meet the most demanding surveillance needs. Their **vandalproof** housing with **outdoor IP66** protection make them perfect to protect critical assets outdoors.

- Progressive Scan CMOS Sensor
- 1.3 - 3 Megapixel resolution
- 2.8 - 12 mm Varifocal lens
- 120 dB WDR (Depending on the model)
- Smart IR
- Vandalproof

IP PLUS MINIDOME IR CAMERA. OUTDOOR

DIMENSIONS (Unit mm)



AVAILABLE MODELS

SiM-3411NVR-E: 1.3 Megapixel

SiM-3411NVR-EA: 1.3 Megapixel, Audio/Alarm

SiM-3411NVR-EM: 1.3 Megapixel, Motorized lens

SiM-3411NVR-EMA: 1.3 Megapixel, Motorized lens, Audio/Alarm

SiM-3411NVR-EX: 1.3 Megapixel, 120 dB WDR

SiM-3411NVR-EXA: 1.3 Megapixel, 120 dB WDR, Audio/Alarm

SiM-3411NVR-EXM: 1.3 Megapixel, 120 dB WDR Motorized lens

SiM-3411NVR-EXMA: 1.3 Megapixel, 120 dB WDR Motorized lens, Audio/Alarm

SiM-3511NVR-E: 2 Megapixel

SiM-3511NVR-EA: 2 Megapixel, Audio/Alarm

SiM-3511NVR-EM: 2 Megapixel, Motorized lens

SiM-3511NVR-EMA: 2 Megapixel, Motorized lens, Audio/Alarm

SiM-3611NVR-EX: 3 Megapixel, 120 dB WDR

SiM-3611NVR-EXA: 3 Megapixel, 120 dB WDR, Audio/Alarm

SiM-3611NVR-EXM: 3 Megapixel, 120 dB WDR Motorized lens

SiM-3611NVR-EXMA: 3 Megapixel, 120 dB WDR Motorized lens, Audio/Alarm



**SiM-3411NVR-E(A)
SiM-3411NVR-EM(A)**



**SiM-3411NVR-EX(A)
SiM-3411NVR-EXM(A)**

	1/3" Progressive Scan CMOS sensor 1.3 Megapixel resolution 30 meter IR Range	1/3" Progressive Scan CMOS sensor 1.3 Megapixel resolution 120 dB WDR 30 meter IR Range
CAMERA		
Sensor	1/3" Progressive Scan CMOS	1/3" Progressive Scan CMOS
Min. illumination	0.01 lux@F1.2, AGC on 0 lux with IR	0.01 lux@F1.2, AGC on 0 lux with IR
Lens	2.8 - 12 mm @F1.4 - EM, -EMA: motorized lens	2.8 - 12 mm @F1.4 - EXM, -EXMA: motorized lens
Angle of view	98.4° ~ 30.2°	98.4° ~ 30.2°
Angle adjustment	Pan: 0° ~ 355° Tilt: 0° ~ 75° Rotation: 0° ~ 355°	Pan: 0° ~ 355° Tilt: 0° ~ 75° Rotation: 0° ~ 355°
Lens mount	!14	!14
Shutter time	1 s ~ 1/100,000 s	1 s ~ 1/100,000 s
Slow shutter	Yes	Yes
Auto iris	DC drive	DC drive
Day/Night	ICR (Auto / Schedule / Alarm Trigger)	ICR (Auto / Schedule / Alarm Trigger)
DNR	3D DNR	3D DNR
WDR	Digital WDR	120 dB WDR
BLC	BLC zone configurable / HLC	Yes, zone configurable
Defog	Yes	Yes
EIS	Yes	Yes
Smart IR	Yes	Yes
IR range	30 m	30 m
VIDEO		
Max. resolution	1280 x 1024	1280 x 960
Frame rate	50 Hz: 25fps (1280 x 1024), 25fps (1280 x 960), 50fps (1280 x 720) 60 Hz: 30fps (1280 x 1024), 30fps (1280 x 960), 60fps (1280 x 720)	50 Hz: 25fps (1280 x 960), 50fps (1280 x 720), WDR OFF 60 Hz: 30fps (1280 x 960), 60fps (1280 x 720), WDR OFF
Video compression	H.264 (Baseline profile / Main profile / High profile) / MPEG4 / MJPEG	H.264 (Baseline profile / Main profile / High profile) / MPEG4 / MJPEG
ROI encoding	Support, up to 4 configurable areas	Support, up to 4 configurable areas
Video bit rate	32 Kbps - 16 Mbps	32 Kbps - 16 Mbps
Video Streaming	Triple stream Third stream independent	Triple stream Third stream independent
Overlay image	24 bit BMP	24 bit BMP
Image settings	Corridor mode, saturation, brightness, contrast, grayscale adjustable through client software or web browser	Corridor mode, saturation, brightness, contrast, grayscale adjustable through client software or web browser
Video output	1 Vp-p composite output (75 " / RCA, for lens adjustment when installing)	1 Vp-p composite output (75 " / RCA, for lens adjustment when installing)
AUDIO/ALARM		
Audio compression	- EA, -EMA: G.711 / G.726 / MP2L2	- EXA, -EXMA: G.711 / G.726 / MP2L2
Audio Bit Rate	- EA, -EMA: 64 Kbps (G.711) / 16 Kbps (G.726)	- EXA, -EXMA: 64 Kbps (G.711) / 16 Kbps (G.726)
Audio input	- EA, -EMA: 1-ch 3.5 mm audio interface, Mic in/Line in	- EXA, -EXMA: 1-ch 3.5mm audio interface, Mic in/Line in
Audio output	- EA, -EMA: 1-ch 3.5 mm audio interface	- EXA, -EXMA: 1-ch 3.5mm audio interface
Alarm I / O	- EA, -EMA: 2 / 2	- EXA, -EXMA: 2 / 2
Alarm trigger	Intrusion detection, motion detection, face detection, tampering alarm, defocus, network disconnect, IP address conflict, storage exception	Intrusion detection, Defocus detection, Motion detection, Face detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception
NETWORK		
Local storage	Built-in micro SD/SDHC/SDXC card slot, up to 64 GB	Built-in micro SD/SDHC/SDXC card slot, up to 64 GB
Network storage	NAS	NAS
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour (SIP optional)	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour (SIP optional)
Communication interface	1 RJ45 10M / 100M Ethernet port - EA, -EMA: 1 RS-485 interface	1 RJ45 10M / 100M Ethernet port - EXA, -EXMA: 1 RS-485 interface
Security	User authentication, watermark, IP address filtering, anonymous access, reset	User authentication, watermark, IP address filtering, anonymous access, reset
Compliance	ONVIF, PSIA, CGI	ONVIF, PSIA, CGI
GENERAL		
Power supply	24 V AC ± 10%, PoE (802.3af)	24 V AC ± 10%, PoE (802.3af)
Consumption	Max. 12 W (Motorized lens: 13 W)	Max. 12 W (Motorized lens: 13 W)
Operating conditions	-30 °C ~ 60 °C (-22°F ~ 140 °F) Humidity: 95% or less (non-condensing)	-30 °C ~ 60 °C (-22°F ~ 140 °F) Humidity: 95% or less (non-condensing)
Protection level	IP66	IP66
Impact protection	IEC60068-2-75Eh, 50J; EN50102, IK10	IEC60068-2-75Eh, 50J; EN50102, IK10
Dimensions	! 159.8 x 146 mm (! 6.29" x 5.75")	! 159.8 x 146 mm (! 6.29" x 5.75")
Weight	2,100 g (4.62 lbs)	2,100 g (4.62 lbs)



SiM-3511NVR-E(A)
SiM-3511NVR-EM(A)



SiM-3611NVR-EX(A)
SiM-3611NVR-EXM(A)

	1/2.8" progressive scan CMOS sensor 2 Megapixel resolution 30 meter IR Range	1/3" Progressive Scan CMOS sensor 3 Megapixel resolution 120 dB WDR 30 meter IR Range
CAMERA		
Sensor	1/2.8" progressive scan CMOS	1/3" Progressive Scan CMOS
Min. illumination	0.02 lux @F1.2, AGC on 0 lux with IR	0.1 lux @F1.2, AGC on 0 lux with IR
Lens	2.8 - 12 mm @F1.4 - EM: motorized lens	2.8 - 12 mm @F1.4 - EXM, -EXMA: motorized lens
Angle of view	113° ~ 33.8°	91.2° ~ 28.3°
Angle adjustment	Pan: 0° ~ 355° Tilt: 0° ~ 75° Rotation: 0° ~ 355°	Pan: 0° ~ 355° Tilt: 0° ~ 75° Rotation: 0° ~ 355°
Lens mount	!14	!14
Shutter time	1 s ~ 1/100,000 s	1 s ~ 1/100,000 s
Slow shutter	Yes	Yes
Auto iris	DC drive	DC drive
Day/Night	ICR (Auto / Schedule / Alarm Trigger)	ICR (Auto / Schedule / Alarm Trigger)
DNR	3D DNR	3D DNR
WDR	Digital WDR	120 dB WDR
BLC	BLC zone configurable / HLC	Yes, zone configurable
Defog	Yes	Yes
EIS	Yes	Yes
Smart IR	Yes	Yes
IR range	30 m	30 m
VIDEO		
Max. resolution	1920 x 1080	2048 x 1536
Frame rate	50 Hz: 25fps (1920 x 1080), 25fps (1280 x 960), 25fps (1280 x 720) 60 Hz: 30fps (1920 x 1080), 30fps (1280 x 960), 30fps (1280 x 720)	50 Hz: 20fps (2048 x 1536), 25fps (1920 x 1080), 25fps (1280 x 720) 60 Hz: 20fps (2048 x 1536), 30fps (1920 x 1080), 30fps (1280 x 720)
Video compression	H.264 (Baseline profile / Main profile / High profile) / MPEG4 / MJPEG	H.264 (Baseline profile / Main profile / High profile) / MPEG4 / MJPEG
ROI encoding	Support, up to 4 configurable areas	Support, up to 4 configurable areas
Video bit rate	32 Kbps - 16 Mbps	32 Kbps - 16 Mbps
Video Streaming	Triple stream Third stream independent	Triple stream Third stream independent
Overlay image	24 bit BMP	24 bit BMP
Image settings	Corridor mode, saturation, brightness, contrast, grayscale adjustable through client software or web browser	Corridor mode, saturation, brightness, contrast, grayscale adjustable through client software or web browser
Video output	1 Vp-p composite output (75 " / RCA, for lens adjustment when installing)	1 Vp-p composite output (75 " / RCA, for lens adjustment when installing)
AUDIO / ALARM		
Audio compression	- EA, -EMA: G.711 / G.726 / MP2L2	- EXA, -EXMA: G.711 / G.726 / MP2L2
Audio Bit Rate	- EA, -EMA: 64 Kbps (G.711) / 16 Kbps (G.726)	- EXA, -EXMA: 64 Kbps (G.711) / 16 Kbps (G.726)
Audio input	- EA, -EMA: 1-ch 3.5 mm audio interface, Mic in/Line in	- EXA, -EXMA: 1-ch 3.5 mm audio interface, Mic in/Line in
Audio output	- EA, -EMA: 1-ch 3.5 mm audio interface	- EXA, -EXMA: 1-ch 3.5 mm audio interface
Alarm I / O	- EA, -EMA: 2 / 2	- EXA, -EXMA: 2 / 2
Alarm trigger	Intrusion detection, Defocus detection, Motion detection, Face detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception	Intrusion detection, Defocus detection, Motion detection, Face detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception
NETWORK		
Local storage	Built-in micro SD/SDHC/SDXC card slot, up to 64 GB	Built-in micro SD/SDHC/SDXC card slot, up to 64 GB
Network storage	NAS	NAS
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour (SIP optional)	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour (SIP optional)
Communication interface	1 RJ45 10M / 100M Ethernet port - EA, -EMA: 1 RS-485 interface	1 RJ45 10M / 100M Ethernet port - EXA, -EXMA: 1 RS-485 interface
Security	User authentication, watermark, IP address filtering, anonymous access, reset	User authentication, watermark, IP address filtering, anonymous access, reset
Compliance	ONVIF, PSIA, CGI	ONVIF, PSIA, CGI
GENERAL		
Power supply	24 V AC ± 10%, PoE (802.3af)	24 V AC ± 10%, PoE (802.3af)
Power consumption	Max. 12 W (Motorized lens: 13 W)	Max. 12 W (Motorized lens: 13 W)
Operating conditions	-30 °C ~ 60 °C (-22°F ~ 140 °F) Humidity: 95% or less (non-condensing)	-30 °C ~ 60 °C (-22°F ~ 140 °F) Humidity: 95% or less (non-condensing)
Protection level	IP66	IP66
Impact protection	IEC60068-2-75Eh, 50J; EN50102, up to IK10	IEC60068-2-75Eh, 50J; EN50102, up to IK10
Dimensions	! 159.8 × 146 mm (! 6.29" × 5.75")	! 159.8 × 146 mm (! 6.29" × 5.75")
Weight	2,100 g (4.62 lbs)	2,100 g (4.62 lbs)

IP FIXED LENS MINIDOME

CAMERA. OUTDOOR

Vandalproof



**1.3 - 2
Megapixel**



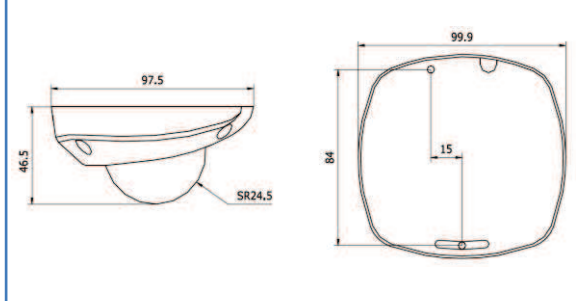
IP FIXED LENS MINIDOME cameras are cost-effective minidomes with a functional and **highly discreet** design. These cameras deliver high-quality images thanks to their up to **2 Megapixel**, high sensitive sensor and advanced functionalities such as **digital WDR**, backlight compensation and 3D DNR. They are easily installed, **vandalproof** and **outdoor-ready**, being perfect where aesthetic cameras with high-performance are required.

- Progressive Scan CMOS Sensor
- 1.3 - 2 Megapixel resolution
- 2.8, 4 or 6 mm fixed lens
- DWDR, BLC
- Outdoor (IP66)
- Vandalproof

IP FIXED LENS MINIDOME

CAMERA. OUTDOOR

DIMENSIONS (Unit: mm)



AVAILABLE MODELS

SEM-3411NV-EY2: 1.3 Megapixel resolution, 2.8 mm lens

SEM-3411NV-EY4: 1.3 Megapixel resolution, 4 mm lens

SEM-3411NV-EY6: 1.3 Megapixel resolution, 6 mm lens

SEM-3511NV-EY2: 2 Megapixel resolution, 2.8 mm lens

SEM-3511NV-EY4: 2 Megapixel resolution, 4 mm lens

SEM-3511NV-EY6: 2 Megapixel resolution, 6 mm lens



SEM-3411NV-EY4



SEM-3511NV-EY4

1/3" Progressive Scan CMOS sensor 1.3 Megapixel resolution 2.8, 4 or 6 mm lens Outdoor (IP66) Vandalproof	1/2.8" progressive scan CMOS sensor 2 Megapixel resolution 2.8, 4 or 6 mm lens Outdoor (IP66) Vandalproof
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CAMERA		
Sensor	1/3" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS
Min. illumination	Colour: 0.01 lux @F1.2, AGC On B/W: 0.001 lux @F1.2, AGC On On 0.0028 lux @F2.0, AGC On	Colour: 0.01 lux @F1.2, AGC On B/W: 0.001 lux @F1.2, AGC On On 0.0028 lux @F2.0, AGC On
Lens	4 mm @F2.0 -EY2: 2.8 mm -EY6: 6 mm	4 mm @F2.0 -EY2: 2.8 mm -EY6: 6 mm
Angle of view	73.1° (4 mm)	79° (4 mm)
Angle adjustment	Pan: ±15° Tilt: 0° ~ 90° Rotation: ±15°	Pan: ±15° Tilt: 0° ~ 90° Rotation: ±15°
Lens mount	M12	M12
Shutter time	1/3 s ~ 1/100,000 s	1/3 s ~ 1/100,000 s
Day/Night	Electronic	Electronic
DNR	3D DNR	3D DNR
Wide Dynamic Range	Digital WDR	Digital WDR
BLC	Yes, zone configurable	Yes, zone configurable
VIDEO		
Max. resolution	1280 x 960	1920 x 1080
Frame rate	50Hz: 25fps (1280 x 960), 25fps (1280 x 720), 25fps (704 x 576), 25fps (640 x 480) 60Hz: 30fps (1280 x 960), 30fps (1280 x 720), 30fps (704 x 576), 30fps (640 x 480)	50Hz: 25fps (1920 x 1080), 25fps (1280 x 960), 25fps (1280 x 720) 60Hz: 30fps (1920 x 1080), 30fps (1280 x 960), 30fps (1280 x 720)
Video compression	H.264 (Baseline profile / Main profile) / MJPEG	H.264 (Baseline profile / Main profile) / MJPEG
Video bit rate	32 Kbps - 8 Mbps	32 Kbps - 8 Mbps
Video streaming	Dual stream	Dual stream
Image settings	Corridor mode, saturation, brightness, contrast adjustable through client software or web browser	Corridor mode, saturation, brightness, contrast adjustable through client software or web browser
AUDIO/ALARM		
Alarm trigger	Motion detection, tampering alarm, network disconnect, IP address conflict, storage exception, storage error, intrusion detection, line crossing detection	Motion detection, tampering alarm, network disconnect, IP address conflict, storage exception, storage error, intrusion detection, line crossing detection
NETWORK		
Local storage	Built-in micro SD/SDHC/SDXC card slot, up to 64 GB	Built-in micro SD/SDHC/SDXC card slot, up to 64 GB
Network storage	NAS	NAS
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour
Communication interface	1 RJ45 10M / 100M Ethernet port	1 RJ45 10M / 100M Ethernet port
Security	Flickerless, dual stream, heartbeat, mirror, user authentication, video mask, watermark	Flickerless, dual stream, heartbeat, mirror, user authentication, video mask, watermark
Compliance	ONVIF, PSIA, CGI, ISAPI	ONVIF, PSIA, CGI, ISAPI
GENERAL		
Power supply	12 V DC ± 10%, PoE (802.3af)	12 V DC ± 10%, PoE (802.3af)
Consumption	Max. 4 W	Max. 4 W
Operating conditions	-30 °C ~ 60 °C (-22°F ~ 140 °F) Humidity: 95% or less (non-condensing)	-30 °C ~ 60 °C (-22°F ~ 140 °F) Humidity: 95% or less (non-condensing)
Protection level	IP66	IP66
Impact protection	IEC60068-2-75Eh, 20J; EN50102, up to IK10	IEC60068-2-75Eh, 20J; EN50102, up to IK10
Dimensions	99.9 x 97.5 x 46.5 mm	99.9 x 97.5 x 46.5 mm
Weight	400 g	400 g

Rev. 0

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IP MINIDOME ON BOARD

CAMERA. OUTDOOR

10 meter
IR range

1.3 - 3
Megapixel

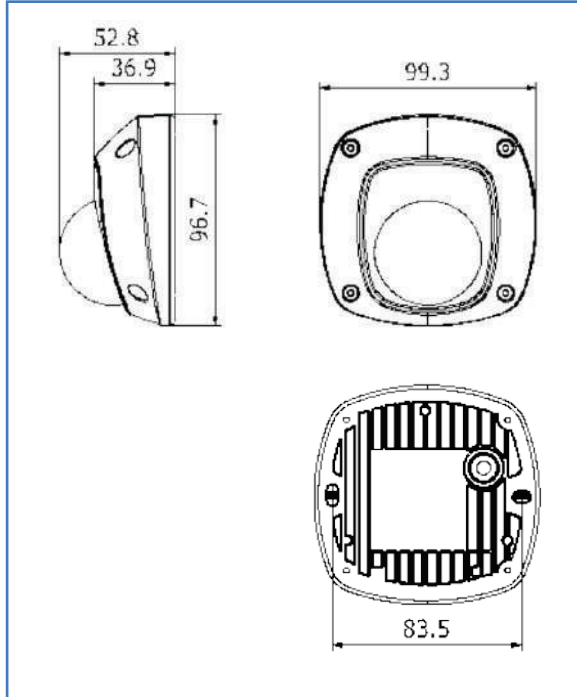


IP MINIDOME ON BOARD cameras are **compact** rugged minidomes designed to provide high-quality video in mobile environments. They include optional **M12 connectors** for secure installation in **transportation applications** and comply with the **railway EN-50155** standard thanks to their vibration-resistant design. Featuring a **3 Megapixel** sensor and **IR illuminators**, they deliver superb image quality under any kind of conditions.

- 1/3" Progressive Scan CMOS Sensor
- 1.3 - 3 Megapixel resolution
- 2.8, 4 or 6 mm fixed lens
- EN 50155 certified: railway standard compliant
- 10 meter Infrared range
- Vandalproof (IK08) & outdoor (IP66)

IP MINIDOME ON BOARD CAMERA. OUTDOOR

DIMENSIONS (Unit: mm)



AVAILABLE MODELS

SEM-3411NVR-EY2/4/6: 1.3 Megapixel, 2.8 mm lens/4 mm lens/6 mm lens

SEM-3411NVR-EYA2/4/6: 1.3 Megapixel, 2.8 mm lens/4 mm lens/6 mm lens, Audio/alarm

SEM-3411NVR-EUY2/4/6: 1.3 Megapixel, 2.8 mm lens/4 mm lens/6 mm lens, M12 connector

SEM-3411NVR-EUYA2/4/6: 1.3 Megapixel, 2.8 mm lens/4 mm lens/6 mm lens, M12 connector, Audio/Alarm

SEM-3611NVR-EY2/4/6: 3 Megapixel, 2.8 mm lens/4 mm lens/6 mm lens

SEM-3611NVR-EYA2/4/6: 3 Megapixel, 2.8 mm lens/4 mm lens/6 mm lens, Audio/alarm

SEM-3611NVR-EUY2/4/6: 3 Megapixel, 2.8 mm lens/4 mm lens/6 mm lens, M12 connector

SEM-3611NVR-EUYA2/4/6: 3 Megapixel, 2.8 mm lens/4 mm lens/6 mm lens, M12 connector, Audio/Alarm



SEM-3411NVR-EY(A)2/4/6
SEM-3411NVR-EUY(A)2/4/6



SEM-3611NVR-EY(A)2/4/6
SEM-3611NVR-EUY(A)2/4/6

1/3" Progressive Scan CMOS sensor
1.3 Megapixel resolution
2.8 mm, 4 mm or 6 mm lens
EN 50155 certified

1/3" progressive scan CMOS sensor
3 Megapixel resolution
2.8 mm, 4 mm or 6 mm lens
EN 50155 certified

CAMERA		
Sensor	1/3" Progressive Scan CMOS	1/3" Progressive Scan CMOS
Min. illumination	0.01 lux @F1.2, AGC ON 0 lux with IR	0.07 lux @F1.2, AGC ON 0 lux with IR
Lens	4 mm @ F2.0 (2.8 mm, 6 mm optional)	4 mm @ F2.0 (2.8 mm, 6 mm optional)
Angle of view	92.5°(2.8 mm) 73.1°(4 mm) 46°(6 mm)	86°(4 mm) 70°(4 mm) 43.3°(6 mm)
Angle adjustment	Pan: -30° - 30° Tilt: 0° - 75° Rotation: 0° - 360°	Pan: -30° - 30° Tilt: 0° - 75° Rotation: 0° - 360°
Lens mount	-EUY models: M12	-EUY models: M12
Shutter time	1/25 s ~ 1/100,000 s	1/25 s ~ 1/100,000 s
Day/Night	IR cut filter with auto switch	IR cut filter with auto switch
DNR	3D DNR	3D DNR
Wide Dynamic Range	Digital WDR	Digital WDR
BLC	Yes, zone configurable	Yes, zone configurable
IR range	10 m	10 m
VIDEO		
Max. resolution	1280 x 960	2048 x 1536
Frame rate	50 Hz: 25 fps (1280 x 960), 25 fps (1280 x 720), 25 fps (704 x 576), 25 fps (640 x 480) 60 Hz: 30 fps (1280 x 960), 30 fps (1280 x 720), 30 fps (704 x 576), 30 fps (640 x 480)	50Hz: 20fps (2048 x 1536), 25fps (1920 x 1080), 25fps (1280 x 720) 60Hz: 20fps (2048 x 1536), 30fps (1920 x 1080), 30fps (1280 x 720)
Video compression	H.264 (Main profile) / MJPEG	H.264 (Main profile) / MJPEG
ROI encoding	Yes, up to 4 configurable areas	Yes, up to 4 configurable areas
Video bit rate	32 Kbps - 16 Mbps	32 Kbps - 16 Mbps
Video streaming	Dual stream	Dual stream
Image settings	Corridor mode, saturation, brightness, contrast adjustable through client software or web browser	Corridor mode, saturation, brightness, contrast adjustable through client software or web browser
AUDIO/ALARM		
Audio compression	- A models: G.711/G.726/MP2L2	- A models: G.711/G.726/MP2L2
Audio bit rate	- A models: 64 Kbps (G.711) / 16 Kbps (G.726) / 32-128 Kbps (MP2L2)	- A models: 64 Kbps (G.711) / 16 Kbps (G.726) / 32-128 Kbps (MP2L2)
Alarm I / O	- A models: 1 / 1	- A models: 1 / 1
Alarm trigger	Motion detection, tampering alarm, network disconnect, IP address conflict, storage exception, storage error	Motion detection, tampering alarm, network disconnect, IP address conflict, storage exception, storage error
NETWORK		
Local storage	Built-in Micro SD/SDHC/SDXC card slot, up to 64 GB	Built-in micro SD/SDHC/SDXC card slot, up to 64 GB
Network storage	NAS	NAS
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour
Communication interface	1 RJ45 10M / 100M Ethernet port	1 RJ45 10M / 100M Ethernet port
Security	Flickerless, dual stream, heartbeat, mirror, user authentication, video mask, watermark	Flickerless, dual stream, heartbeat, mirror, user authentication, video mask, watermark
Compliance	ONVIF, PSIA, CGI, ISAPI	ONVIF, PSIA, CGI, ISAPI
GENERAL		
Power supply	12 V DC ± 10%, PoE (802.3af)	12 V DC ± 10%, PoE (802.3af)
Consumption	Max. 5 W	Max. 5 W
Operating conditions	-30 °C ~ 60 °C (-22°F ~ 140 °F) Humidity: 95% or less (non-condensing)	-30 °C ~ 60 °C (-22°F ~ 140 °F) Humidity: 95% or less (non-condensing)
Protection level	IP66	IP66
Impact protection	IEC60068-275Eh, 50J; EN50102, up to IK08	IEC60068-275Eh, 50J; EN50102, up to IK08
EN 50155 certification	EN 50155 certified	EN 50155 certified
Dimensions	99.3 x 96.7 x 52.8 mm	99.3 x 96.7 x 52.8 mm
Weight	600 g (1.32 lbs)	600 g (1.32 lbs)

IP PINHOLE CAMERA INDOOR

**Wide Dynamic
Range**



**1.3 Megapixel
Resolution**



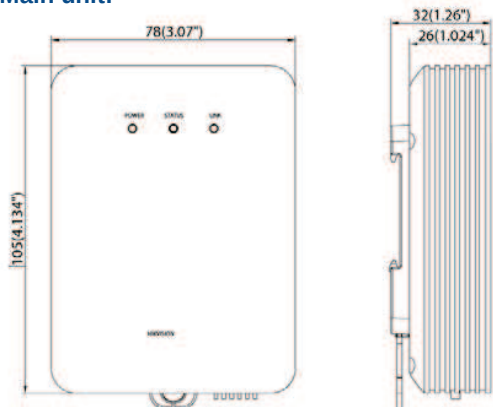
IP Pinhole cameras capture every detail to ensure identification despite backlighting conditions thanks to their **1.3 Megapixel** resolution and **120 dB Wide Dynamic Range**. Their **corridor mode** allows a vertical image, optimizing storage and bandwidth. Their **functional design** comprises a discreet unit sensor, which fits in the most limited spaces, connected by a cable to the main unit, simplifying a **secure installation**.

- 1/3" Progressive Scan CMOS Sensor
- 1.3 Megapixel resolution
- 3.7 mm lens
- 120 dB Wide Dynamic Range
- Corridor mode
- Tri-stream & edge-storage support

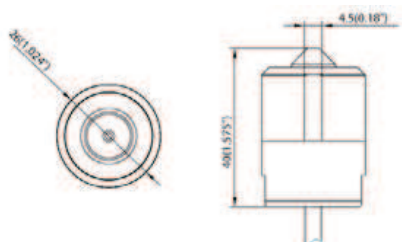
IP PINHOLE CAMERA. INDOOR

DIMENSIONS (Unit: mm)

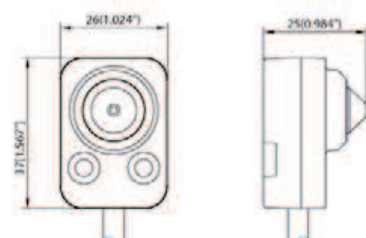
Main unit:



Mini bullet sensor unit:



Mini square sensor unit:



AVAILABLE MODELS

SEP-3401N-X: mini bullet camera, 2 m cable

SEP-3401N-LX: mini bullet camera, 8 m cable

SEP-3401N-QX: mini square camera, 2 m cable

SEP-3401N-QLX: mini square camera, 8 m cable



SEP-3401N-X / SEP-3401N-LX SEP-3401N-QX / SEP-3401N-QLX

1/3" Progressive Scan CMOS sensor.
1.3 Megapixel resolution
3.7 mm lens
120 dB WDR
Corridor mode

CAMERA	
Sensor	1/3" Progressive Scan CMOS
Min. illumination	0.01 Lux @ (F1.2, AGC ON)
Lens	3.7 mm @F2.3
Angle of view	63°
Angle adjustment	Pan: 0° ~ 360°, tilt: 0° ~ 75°, rotation: 0° ~ 360°
Lens mount	M12
Shutter time	1s ~ 1/100,000s
Slow shutter	Support
Day/Night	Electronic Day/Night switch: Auto/Schedule/Triggered by Alarm In
Digital Noise Reduction	3D DNR
Wide Dynamic Range	120 dB
Backlight compensation	BLC / HLC support
Wide Dynamic Range	120 dB
VIDEO	
Max. resolution	1280 × 960
Frame rate	50 Hz: 25 fps(1280 × 960), 25 fps (1280 × 720) 60 Hz: 30 fps (1280 × 960), 30 fps (1280 × 720)
Video compression	H.264 / MPEG4 / MJPEG / H.264 encoding with Baseline Profile / Main Profile / High Profile
ROI encoding	Max. 4 areas
Video bit rate	32 Kbps - 16 Mbps
Video streaming	Triple stream Third stream independent from Main Stream and Sub Stream
Video input at main unit	1 RJ12 interface
Cable length	-X, -QX: 2 m -LX, -QLX: 8 m
Overlay image	24 bit BMP
Image settings	Corridor mode, Saturation, Brightness, Contrast, Sharpness, Grayscale adjustable by client software or web browser
AUDIO/ALARM	
Audio compression	G.711/G.726/MP2L2
Audio bit rate	64Kbps(G.711) / 16Kbps(G.726) / 32-128Kbps(MP2L2)
Audio I/O	1 3.5mm Audio In (Mic in/Line in) / Line out
Alarm I/O	1/ 1
Alarm trigger	Motion detection, audio detection, face detection, dynamic analytic, tampering alarm, network disconnect, IP address conflict, storage exception, storage error
NETWORK	
Local storage	Built-in Micro SD/SDHC/SDXC slot, up to 64 GB
Network storage	NAS
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour
Communication interface	1 RJ45 10M/100M Ethernet port, 1xRS232
Security	Reset, flicker less, 3 streams, heartbeat, mirror, user authentication, video masking, watermark, anonymous log on, IP address filtering
Compliance	ONVIF, PSIA, CGI, ISAPI
GENERAL	
Power supply	12 V DC ± 10%, PoE (802.3af)
Power consumption	Max. 6.5 W
Operating conditions	-10 °C - 60 °C (14 °F - 140 °F) Humidity 95% or less (non-condensing)
Dimensions	78 × 105 × 32 mm
Weight	450 g

Rev. 0

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IP 360° PANORAMIC CAMERA

INDOOR/OUTDOOR

Fisheye
Lens

3 - 6 Megapixel
Resolution

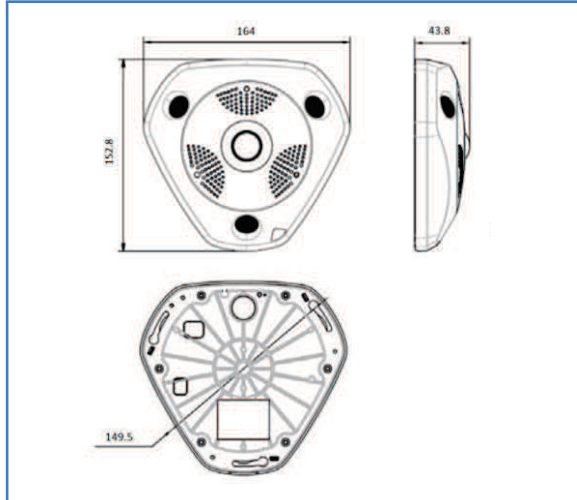


The **IP 360° PANORAMIC** camera series enables **total situational awareness** thanks to constant 360° surveillance. It offers the possibility to create different **viewing compositions**, move through the image thanks to **digital PTZ** and achieve high image detail with **digital zoom**. The wide coverage area provided by this model means that it can replace multiple standard cameras, saving costs and **simplifying installation**.

- 1/3" Progressive Scan CMOS Sensor
- 3 - 6 Megapixel resolution
- Super wide-angle lens (360° panoramic view)
- Multiple viewing modes
- 120 dB WDR (depending on the model)
- IP66 & Vandalproof (outdoor models)
- 15 meter IR range

IP 360° PANORAMIC CAMERA. INDOOR/OUTDOOR

DIMENSIONS (Unit: mm)



AVAILABLE MODELS

SEM-3601NR-EXO: 3 Megapixel, 120 dB WDR, Indoor

SEM-3601NR-EXAO: 3 Megapixel, 120 dB WDR, Indoor, Audio/Alarm

SEM-3611NVR-EXYO: 3 Megapixel, 120 dB WDR, Outdoor, Vandalproof

SEM-3611NVR-EXAO: 3 Megapixel, 120 dB WDR, Outdoor, Vandalproof, Audio/Alarm

SEM-3701NR-EO: 6 Megapixel, Indoor

SEM-3701NR-EAO: 6 Megapixel, Indoor, Audio/Alarm

SEM-3711NVR-EYO: 6 Megapixel, Outdoor, Vandalproof

SEM-3711NVR-EYAO: 6 Megapixel, Outdoor, Vandalproof, Audio/Alarm



**SEM-3601NR-EXO
SEM-3601NR-EXAO**



**SEM-3611NVR-EXYO
SEM-3611NVR-EXAO**

1/3" Progressive Scan CMOS Sensor 3 Megapixel resolution 360° panoramic view 120 dB WDR	1/3" Progressive Scan CMOS Sensor 3 Megapixel resolution 360° panoramic view 120 dB WDR Outdoor, Vandalproof
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CAMERA		
Sensor	1/3" Progressive Scan CMOS	1/3" Progressive Scan CMOS
Min. illumination	0.1lux (F1.2, AGC ON) 0 lux with IR	0.1lux (F1.2, AGC ON) 0 lux with IR
Lens	1.19 mm, F2.0	1.19 mm, F2.0
Angle of view	360°	360°
Lens mount	M12	M12
Shutter time	1/25 (1/30) s ~ 1/100,000 s	1/25 (1/30) s ~ 1/100,000 s
Day/Night	ICR Day/Night switch: Auto / Manual / Scheduled / Alarm trigger	ICR Day/Night switch: Auto / Manual / Scheduled / Alarm trigger
DNR	3D DNR	3D DNR
WDR	120 dB	120 dB
HLC	Support	Support
IR range	15 m	15 m
VIDEO		
Max. resolution	2048 × 1536	2048 × 1536
Frame rate	High-frame Mode: support 50Hz: 1 x fisheye (2048 × 1536, 25fps) or (1536 × 1536, 25fps) or 4 x PTZ (800 × 600, 25fps) 60Hz: 1 x fisheye (2048×1536, 25fps) or (1536 × 1536, 30fps) or 4 x PTZ (800 × 600, 30fps) Multi-channel Mode: support 50Hz: 1 x fisheye (1536 × 1536, 20fps) and 1 x panoramic (1600 × 1200, 20fps) and 3 x PTZ (800 × 600, 20fps) 60Hz: 1 x fisheye (1536 × 1536, 20fps) and 1 x panoramic (1600 × 1200, 20fps) and 3 x PTZ (800 × 600, 20fps)	High-frame Mode: support 50Hz: 1 x fisheye (2048 × 1536, 25fps) or (1536 × 1536, 25fps) or 4 x PTZ (800 × 600, 25fps) 60Hz: 1 x fisheye (2048×1536, 25fps) or (1536 × 1536, 30fps) or 4 x PTZ (800 × 600, 30fps) Multi-channel Mode: support 50Hz: 1 x fisheye (1536 × 1536, 20fps) and 1 x panoramic (1600 × 1200, 20fps) and 3 x PTZ (800 × 600, 20fps) 60Hz: 1 x fisheye (1536 × 1536, 20fps) and 1 x panoramic (1600 × 1200, 20fps) and 3 x PTZ (800 × 600, 20fps)
Video compression	H.264 (Baseline Profile / Main Profile / High Profile) / MJPEG	H.264 (Baseline Profile / Main Profile / High Profile) / MJPEG
Video bit rate	32 Kbps - 16 Mbps	32 Kbps - 16 Mbps
Video streaming	High Frame Rate Mode: 1 or 4 Multi-Channel Mode: up to 5; (No sub-streams)	High Frame Rate Mode: 1 or 4 Multi-Channel Mode: up to 5; (No sub-streams)
Image settings	Saturation, Brightness, Contrast, Hue, Sharpness, AGC, White Balance	Saturation, Brightness, Contrast, Hue, Sharpness, AGC, White Balance
AUDIO/ALARM		
Audio compression	-EXAO: G.711/ G.726/ MP2L2	-EXAO: G.711/ G.726/ MP2L2
Audio bit rate	-EXAO: 64Kbps (G.711)/ 16Kbps (G.726)/ 64Kbps (MP2L2)	-EXAO: 64Kbps (G.711)/ 16Kbps (G.726)/ 64Kbps (MP2L2)
Audio input	1 built-in microphone by default 24dB -EXAO: 1 3.5mm audio interface, Mic in/Line in	1 built-in microphone by default 24dB -EXAO: 1 3.5mm audio interface, Mic in/Line in
Audio output	1 built-in speaker by default, support echo cancellation -EXAO: 1 3.5mm audio output interface	1 built-in speaker by default, support echo cancellation -EXAO: 1 3.5mm audio output interface
Alarm I/O	-EXAO: 1 Input / 1 Output	-EXAO: 1 Input / 1 Output
Alarm trigger	Motion detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception	Motion detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception
NETWORK		
Local storage	Built-in Micro SD/SDXC slot, up to 64 GB	Built-in Micro SD/SDXC slot, up to 64 GB
Network storage	NAS, SAMB / CIFS	NAS, SAMB / CIFS
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour
Communication interface	1 RJ45 10M/100M/1000M Ethernet interface -EXAO: 1 RS485 interface	1 RJ45 10M/100M/1000M Ethernet interface -EXAO: 1 RS485 interface
Security	User Authentication, Watermark, IP address filtering, Anonymous access	User Authentication, Watermark, IP address filtering, Anonymous access
Compliance	ONVIF, PSIA, CGI, ISAPI	ONVIF, PSIA, CGI, ISAPI
GENERAL		
Power supply	12 V DC ± 10%, PoE (802.3af)	12 V DC ± 10%, PoE (802.3af)
Power consumption	Max. 12W	Max. 12W
Operating conditions	-30 °C – 60 °C (-22 °F – 140 °F) Humidity: 95% or less (non-condensing)	-30 °C – 60 °C (-22 °F – 140 °F) Humidity: 95% or less (non-condensing)
Protection level	-	IP66
Impact protection	-	IEC60068-2-75Eh, 20J; EN50102, up to IK10
Dimensions	164x152.8x43.8 mm (6.46"x6.02"x1.72")	164x152.8x43.8 mm (6.46"x6.02"x1.72")
Weight	1,400 g (3.09 lbs)	1,400 g (3.09 lbs)



SEM-3701NR-EO
SEM-3701NR-EAO



SEM-3711NVR-EYO
SEM-3711NVR-EYAO

1/1.8" Progressive Scan CMOS Sensor 6 Megapixel resolution 360° panoramic view	1/1.8" Progressive Scan CMOS Sensor 6 Megapixel resolution 360° panoramic view Outdoor, Vandalproof
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CAMERA		
Sensor	1/1.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS
Min. illumination	0.05lux (F1.2, AGC ON); 0 lux with IR	0.05lux (F1.2, AGC ON); 0 lux with IR
Lens	1.27mm, F2.8	1.27mm, F2.8
Angle of view	360°	360°
Lens mount	M12	M12
Shutter time	1/25 (1/30) s ~ 1/100,000 s	1/25 (1/30) s ~ 1/100,000 s
Day/Night	ICR, Day/Night switch: Auto / Manual / Scheduled / Alarm trigger	ICR, Day/Night switch: Auto / Manual / Scheduled / Alarm trigger
DNR	3D DNR	3D DNR
WDR	Digital WDR	Digital WDR
HLC	Support	Support
IR range	15 m	15 m
VIDEO		
Max. resolution	3072 x 2048	3072 x 2048
Frame rate	High-frame Mode: support 50Hz: 1 x fisheye (3072 x 2048, 25fps) or (2048 x 2048, 25fps) or 4 x PTZ at (1024 x 768, 30fps) 60Hz: 1 x fisheye (3072 x 2048, 25fps) or (2048 x 2048, 30fps) or 4 x PTZ at (1024 x 768, 30fps) Multi-channel Mode: support 50Hz: 1 x fisheye (1280 x 1280, 12.5fps) and 1 x panoramic (2048 x 1536, 12.5fps) and 3 x PTZ (1024 x 768, 12.5fps) 60Hz: 1 x fisheye (1280 x 1280, 15fps) and 1 x panoramic (2048 x 1536, 15fps) and 3 x PTZ (1024 x 768, 15fps)	High-frame Mode: support 50Hz: 1 x fisheye (3072 x 2048, 25fps) or (2048 x 2048, 25fps) or 4 x PTZ at (1024 x 768, 30fps) 60Hz: 1 x fisheye (3072 x 2048, 25fps) or (2048 x 2048, 30fps) or 4 x PTZ at (1024 x 768, 30fps) Multi-channel Mode: support 50Hz: 1 x fisheye (1280 x 1280, 12.5fps) and 1 x panoramic (2048 x 1536, 12.5fps) and 3 x PTZ (1024 x 768, 12.5fps) 60Hz: 1 x fisheye (1280 x 1280, 15fps) and 1 x panoramic (2048 x 1536, 15fps) and 3 x PTZ (1024 x 768, 15fps)
Video compression	H.264 (Baseline Profile / Main Profile / High Profile) / MJPEG	H.264 (Baseline Profile / Main Profile / High Profile) / MJPEG
Video bit rate	32 Kbps - 16 Mbps	32 Kbps - 16 Mbps
Video streaming	High Frame Rate Mode: 1 or 4 Multi-Channel: up to 5; (No sub-streams)	High Frame Rate Mode: 1 or 4 Multi-Channel: up to 5; (No sub-streams)
Image settings	Saturation, Brightness, Contrast, Hue, Sharpness, AGC, White Balance	Saturation, Brightness, Contrast, Hue, Sharpness, AGC, White Balance
AUDIO/ALARM		
Audio compression	-EAO: G.711/ G.726/ MP2L2	-EYAO: G.711/ G.726/ MP2L2
Audio bit rate	-EAO: 64Kbps (G.711)/ 16Kbps (G.726)/ 64Kbps (MP2L2)	-EYAO: 64Kbps (G.711)/ 16Kbps (G.726)/ 64Kbps (MP2L2)
Audio input	1 built-in microphone by default 24dB -EAO: 1 3.5mm audio interface, Mic in/Line in	1 built-in microphone by default 24dB -EYAO: 1 3.5mm audio interface, Mic in/Line in
Audio output	1 built-in speaker by default, support echo cancellation -EAO: 1 3.5mm audio output interface	1 built-in speaker by default, support echo cancellation -EYAO: 1 3.5mm audio output interface
Alarm I/O	-EAO: 1 Input / 1 Output	-EYAO: 1 Input / 1 Output
Alarm trigger	Motion detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception	Motion detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception
NETWORK		
Local storage	Built-in Micro SD/SDXC slot, up to 64 GB	Built-in Micro SD/SDXC slot, up to 64 GB
Network storage	NAS, SAMB / CIFS	NAS, SAMB / CIFS
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour
Communication interface	1 RJ45 10M/100M/1000M Ethernet -EAO: 1 RS485 interface	1 RJ45 10M/100M/1000M Ethernet -EYAO: 1 RS485 interface
Security	User Authentication, Watermark, IP address filtering, Anonymous access	User Authentication, Watermark, IP address filtering, Anonymous access
Compliance	ONVIF, PSIA, CGI, ISAPI	ONVIF, PSIA, CGI, ISAPI
GENERAL		
Power supply	12 V DC $\pm$ 10%, PoE (802.3af)	12 V DC $\pm$ 10%, PoE (802.3af)
Power consumption	Max. 12W	Max. 12W
Operating conditions	-30 °C – 60 °C (-22 °F – 140 °F) Humidity: 95% or less (non-condensing)	-30 °C – 60 °C (-22 °F – 140 °F) Humidity: 95% or less (non-condensing)
Protection level	-	IP66
Impact protection	-	IEC60068-2-75Eh, 20J; EN50102, IK10
Dimensions	164x152.8x43.8 mm (6.46"x6.02"x1.72")	164x152.8x43.8 mm (6.46"x6.02"x1.72")
Weight	1,400 g (3.09 lbs)	1,400 g (3.09 lbs)

Rev. 0

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IP 2MP Low Light BOX CAMERA INDOOR

**120 dB
WDR**



**Low light
Technology**



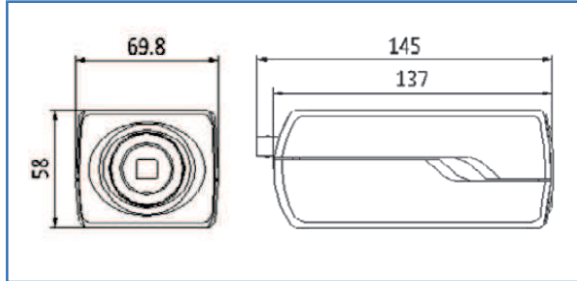
The **IP 2 MP Low Light BOX** camera offers the best low-light performance existing in the market. With the exceptional sensitivity of 0.002 lux, it is able to provide **clear colour images** even at a **moonless night**. It supports wide-angle and telephoto VF lens, both including **Auto Back Focus** functionality to simplify installation. It streams up to **60 fps** at **2 Megapixel** resolution and features **120 dB WDR**, meeting the most demanding surveillance needs.

- 1/2" Progressive Scan CMOS sensor
- 2 Megapixel resolution
- Colour images at 0.002 Lux illumination
- 120 dB Wide Dynamic Range
- Up to 60 fps
- Wide-angle or Telephoto VF lens

IP 2 MP Low Light BOX

CAMERA. INDOOR

DIMENSIONS (Unit: mm)



AVAILABLE MODELS

SEC-3501-BF020: 2 Megapixel, 11 - 40 mm external Varifocal lens

SEC-3501-BF040: 2 Megapixel, 3.8 - 16 mm external Varifocal lens



SEC-3501-BF020



SEC-3501-BF040

	1/2" Progressive Scan CMOS sensor 2 Megapixel resolution 11 - 40 mm Varifocal lens 120 dB WDR	1/2" Progressive Scan CMOS sensor 2 Megapixel resolution 3.8 - 16 mm Varifocal lens 120 dB WDR
CAMERA		
Sensor	1/2" Progressive Scan CMOS	1/2" Progressive Scan CMOS
Min. illumination	Colour: 0.002 Lux @ (F1.2, AGC ON) B/W: 0.0002 Lux @ (F1.2, AGC ON)	Colour: 0.002 Lux @ (F1.2, AGC ON) B/W: 0.0002 Lux @ (F1.2, AGC ON)
Lens	External, 11 - 40 mm	External, 3.8 - 16 mm
Aperture range	F1.5 - C	F1.5 - !
Lens mount	C/CS mount	C/CS mount
Shutter time	1/1 s to 1/100,000 s	1/1 s to 1/100,000 s
Slow shutter	Support	Support
Auto iris	DC drive	DC drive
Focus mode	Auto Back Focus functionality	Auto Back Focus functionality
Day/Night	IR cut filter with auto switch. Switch: Auto/ Schedule / Triggered by Alarm In	IR cut filter with auto switch. Switch: Auto/ Schedule / Triggered by Alarm In
DNR	3D DNR	3D DNR
Wide Dynamic Range	120 dB	120 dB
Backlight compensation	Support, zone optional	Support, zone optional
Defog	Support	Support
Electronic Image Stabilization	Support	Support
VIDEO		
Max. resolution	1920 × 1080	1920 × 1080
Frame rate	WDR OFF: 50 Hz: 50fps (1920 × 1080), 50fps (1280 × 960), 50fps (1280 × 720) 60Hz: 60fps (1920 × 1080), 60fps (1280 × 960), 60fps (1280 × 720) WDR ON: 50 Hz: 25fps (1920 × 1080), 25fps (1280 × 960), 25fps (1280 × 720) 60 Hz: 30fps (1920 × 1080), 30fps (1280 × 960), 30fps (1280 × 720)	WDR OFF: 50 Hz: 50fps (1920 × 1080), 50fps (1280 × 960), 50fps (1280 × 720) 60 Hz: 60fps (1920 × 1080), 60fps (1280 × 960), 60fps (1280 × 720) WDR ON: 50 Hz: 25fps (1920 × 1080), 25fps (1280 × 960), 25fps (1280 × 720) 60 Hz: 30fps (1920 × 1080), 30fps (1280 × 960), 30fps (1280 × 720)
Video compression	H.264 (Baseline / Main / High profile) / MJPEG / MPEG4	H.264 (Baseline / Main / High profile) / MJPEG / MPEG4
ROI encoding	Support 4 different areas configuration in all 3 streams with adjustable 6 levels. Automatic dynamic tracking with face detection can be configured	Support 4 different areas configuration in all 3 streams with adjustable 6 levels. Automatic dynamic tracking with face detection can be configured
Video bit rate	32 Kbps - 16 Mbps	32 Kbps - 16 Mbps
Video streaming	Triple stream Third stream independent	Triple stream Third stream independent
Overlay image	24 bit BMP	24 bit BMP
Image settings	Saturation, Brightness, Contrast adjustable by client software or web browser	Saturation, Brightness, Contrast adjustable by client software or web browser
Video output	1Vp-p composite output (75 "/BNC)	11Vp-p composite output (75 "/BNC)
AUDIO/ALARM		
Audio compression	G.711 / G.726 / MP2L2	G.711 / G.726 / MP2L2
Audio bit rate	64Kbps(G.711) / 16Kbps(G.726) / 32-128Kbps(MP2L2)	64Kbps(G.711) / 16Kbps(G.726) / 32-128Kbps(MP2L2)
Audio input	1-ch 3.5 mm audio interface, Mic in/Line in. 1 built-in Microphone	1-ch 3.5 mm audio interface, Mic in/Line in. 1 built-in Microphone
Audio output	1-ch 3.5 mm audio interface	1-ch 3.5 mm audio interface
Alarm I/O	1 / 1	1 / 1
NETWORK		
Local Storage	Built-in Micro SD/SDXC slot, up to 64 GB	Built-in Micro SD/SDXC slot, up to 64 GB
Network storage	NAS	NAS
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour
Communication interface	1 RJ45 10M/100M Ethernet port 1 RS-485 interface 1 RS-232 interface	1 RJ45 10M/100M Ethernet port 1 RS-485 interface 1 RS-232 interface
Security	User Authentication, Watermark, IP address filtering, Anonymous access	User Authentication, Watermark, IP address filtering, Anonymous access
Compliance	ONVIF, PSIA, CGI, ISAPI	ONVIF, PSIA, CGI, ISAPI
Reset button	Yes	Yes
GENERAL		
Power supply	24 V AC ± 10% 12 V DC ± 10%, PoE (802.3af)	24 V AC ± 10% 12 V DC ± 10%, PoE (802.3af)
Power consumption	Max. 6 W (Max. 9W with IR cut filter on)	Max. 6 W (Max. 9W with IR cut filter on)
Operating conditions	-30 °C - 60 °C (-22 °F - 140 °F) Humidity 95% or less (non-condensing)	-30 °C - 60 °C (-22 °F - 140 °F) Humidity 95% or less (non-condensing)
Dimensions	69.8×58×145 mm (2.68" × 2.56" × 5.70")	69.8×58×145 mm (2.68" × 2.56" × 5.70")
Weight	830 g (1.83 lbs)	830 g (1.83 lbs)

Rev. 0

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IP LPR BULLET CAMERA OUTDOOR

30/80 m IR
Range



1.3 Megapixel
Resolution



The **IP LPR BULLET** camera features an advanced, high-resolution **CMOS sensor** specially designed for **License Plate Recognition**. Its **Infrared illuminators** guarantee license plate reading under any circumstances. With models integrating **different lenses**, they optimise focus distance, adapting to various scenarios. Including IR illuminators, **IP66 housing** with sunshield and lens, it integrates all features needed in LPR in just one camera.

- 1/3" Progressive Scan CMOS Sensor
- 1.3 Megapixel resolution
- 2.8 - 12 / 8 - 20 mm VF motorized lens
- 30 m or 80 m IR range
- Triple stream

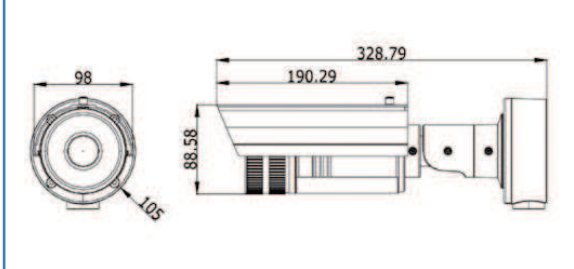
IP LPR BULLET

CAMERA. OUTDOOR



SEC-LPR-34102
SEC-LPR-34108

DIMENSIONS (Unit: mm)



AVAILABLE MODELS

SEC-LPR-34102: 2.8 - 12 mm motorized VF lens

SEC-LPR-34108: 8 - 20 mm motorized VF lens

1/3" progressive scan CMOS sensor
2.8 - 12 / 8 - 20 mm Varifocal motorized lens
1.3 Megapixel resolution
30 / 80 m IR Range

CAMERA	
Sensor	1/3" Progressive Scan CMOS
Min. illumination	0.01 lux@F1.2, AGC on 0 lux with IR
Lens	-34102: 2.8 - 12 mm @F1.4 (motorized VF lens) -34108: 8 - 20 mm @F1.6 (motorized VF lens)
Angle of view	-34102: 98.4° - 30.2° -34108: 35.5° - 14.7°
Lens mount	!14
Shutter time	1 s - 1/100,000 s
Slow shutter	Yes
Auto iris	DC drive
Day/Night	ICR (Auto / Schedule / Alarm Trigger)
Digital Noise Reduction	3D DNR
Wide Dynamic Range	Digital WDR
Backlight compensation	BLC / HLC, zone configurable
Defog	Yes
Electronic Image Stabilization	Yes
IR range	-34102: 30 m -34108: 80 m
VIDEO	
Max. resolution	1280 x 1024
Frame rate	50 Hz: 25fps (1280 x 1024), 25fps (1280 x 960), 50fps (1280 x 720) 60 Hz: 30fps (1280 x 1024), 30fps (1280 x 960), 60fps (1280 x 720)
Video compression	H.264 (Baseline profile / main profile / high profile) / MPEG4 / MJPEG
ROI encoding	Support, up to 4 configurable areas
Video bit rate	32 Kbps - 16 Mbps
Video streaming	Triple stream Third stream: independent
Overlay image	24 bit BMP
Image settings	Corridor mode, saturation, brightness, contrast, grayscale adjustable through client software or web browser
AUDIO/ALARM	
Alarm trigger	Intrusion detection, Defocus detection, Motion detection, Face detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception
NETWORK	
Local storage	Built-in Micro SD/SDHC/SDXC slot, up to 64 GB
Network storage	NAS
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour (SIP optional)
Communication interface	1 RJ45 10M / 100M Ethernet port
Security	User authentication, watermark, IP address filtering, anonymous access, reset
Compliance	ONVIF, PSIA, CGI
Reset button	Yes
GENERAL	
Power supply	12 V DC $\pm$ 10%, PoE (802.3af)
Power consumption	Max. 12 W
Operating conditions	-30 °C ~ 60 °C (-22°F ~ 140 °F) Humidity: 95% or less (non-condensing)
Protection level	IP66
Dimensions	98 x 105 x 328.8 mm
Weight	1,700 g (3.75 lbs)



IP LPR BOX CAMERA HIGH SPEED

CCD sensor



1.3 - 5 Megapixel
Resolution



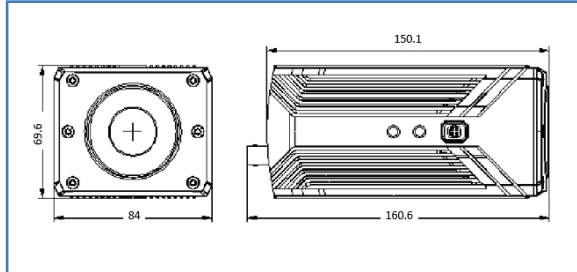
The **IP LPR BOX** camera features an advanced CCD sensor and **global shutter** technology to guarantee reliable **LPR** at high speeds. It supports **strobe light synchronization** to capture a high-quality image under any conditions. With **1.3 - 5 Megapixel** and support for different lenses, it adapts to every scenario and allows for wide coverage & optimal focus distance to read plates from **multiple lanes**, reducing **installation costs**.

- 1/3" Progressive Scan CCD sensor
- Global shutter to avoid motion blur
- 1.3 - 5 Megapixel resolution
- LED strobe light synchronization
- Specially designed for high-speed LPR

IP LPR BOX

CAMERA. HIGH-SPEED

DIMENSIONS (Unit: mm)



AVAILABLE MODELS

SEC-LPR-34000: 1.3 Megapixel resolution, PAL

SEC-LPR-34001: 1.3 Megapixel resolution, NTSC

SEC-LPR-36000: 3 Megapixel resolution, PAL

SEC-LPR-36001: 3 Megapixel resolution, NTSC

SEC-LPR-37000: 5 Megapixel resolution, PAL

SEC-LPR-37001: 5 Megapixel resolution, NTSC



SEC-LPR-34000
SEC-LPR-34001

1/3" Progressive Scan CCD sensor
1.3 Megapixel resolution
Global shutter
LED strobe light synchronization

CAMERA	
Sensor	1/3" Progressive Scan CCD
Min. illumination	0.1 Lux @F1.2, AGC ON
Lens mount	C/CS mount
Shutter type	Global shutter
Shutter time	1/25 s - 1/100,000 s
Slow shutter	Support
Auto iris	DC drive
Day/Night	IR cut filter with auto switch. Day/night switch: Auto/Schedule/Triggered by Alarm In
Digital Noise Reduction	3D DNR
Wide Dynamic Range	Digital WDR
Backlight compensation	Support, zone optional
Highlight compensation	Support
Highlight compensation	Support
Defog	Yes
Corridor mode	Yes
Electronic Image Stabilization	Yes
VIDEO	
Max. resolution	1280 × 960
Frame rate	50Hz:25 fps (1280×960), 25 fps (1280×720) 60Hz:30 fps (1280×960), 30 fps (1280×720)
Video compression	H.264 (Baseline profile / main profile / high profile) / MPEG4 / MJPEG
ROI encoding	Support, up to 4 configurable areas
Video bit rate	32 Kbps - 16 Mbps
Video streaming	Triple stream Third stream: independent
Overlay image	24 bit BMP
Image settings	Saturation, Brightness, Contrast adjustable by client software or web browser
Video output	1 Vp-p composite output (75 Ω/BNC)
AUDIO/ALARM	
Alarm I/O	4 / 3
Alarm trigger	Traversing virtual plane detection, Intrusion detection, Defocus detection, Motion detection, Face detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception
NETWORK	
Local storage	Built-in SD/SDHC/SDXC slot, up to 64 GB
Network storage	NAS
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour
Communication interface	1 RJ45 10M/100M/1000M Ethernet port 1 RS-485 interface 1 USB port
Security	User authentication, watermark, IP address filtering, anonymous login, password protection, heartbeat
Compliance	ONVIF, PSIA, CGI, ISAPI
Reset button	Yes
GENERAL	
Power supply	12 V DC ± 10%
Power consumption	Max. 10 W (Max. 13 W with IR cut filter on)
Operating conditions	-30 °C ~ 60 °C (-22°F ~ 140 °F) Humidity: 95% or less (non-condensing)
Synchronization	Power synchronization, LED strobe light synchronization
Dimensions	84 × 69.6 × 150.1
Weight	1450 g



SEC-LPR-36000
SEC-LPR-36001



SEC-LPR-37000
SEC-LPR-37001

	1/1.8" CCD sensor 3 Megapixel resolution LED strobe light synchronization	1" CCD sensor 5 Megapixel resolution LED strobe light synchronization
CAMERA		
Sensor	1/1.8" Progressive Scan CCD	1" Progressive Scan CCD
Min. Illumination	0.1 Lux @F1.2, AGC ON	0.5 Lux @F1.2, AGC ON
Lens mount	C/CS mount	C/CS mount
Shutter time	1/25 s - 1/100,000 s	1/25 s - 1/100,000 s
Slow shutter	Support	Support
Auto iris	DC drive	DC drive
Day/Night	IR cut filter with auto switch. Day/night switch: Auto/Schedule/Triggered by Alarm In	IR cut filter with auto switch. Day/night switch: Auto/Schedule/Triggered by Alarm In
Digital Noise Reduction	3D DNR	3D DNR
Wide Dynamic Range	Digital WDR	Digital WDR
Backlight compensation	Support, zone optional	Support, zone optional
Highlight compensation	Support	Support
Defog	Yes	Yes
Corridor mode	Yes	Yes
Electronic Image Stabilization	Yes	Yes
VIDEO		
Max. resolution	2048×1536	2560×1920
Frame rate	50Hz: 25fps(2048×1536),25fps(1920×1080),25fps(1280×720) 60Hz: 24fps(2048×1536),30fps(1920×1080),30fps(1280×720)	50Hz: 25fps(2560×1920) 60Hz: 25fps(2560×1920)
Video compression	H.264 (Baseline profile / main profile / high profile) / MPEG4 / MJPEG	H.264 (Baseline profile / main profile / high profile) / MPEG4 / MJPEG
ROI encoding	Support, up to 4 configurable areas	Support, up to 4 configurable areas
Video bit rate	32 Kbps ~ 16 Mbps	32 Kbps ~ 16 Mbps
Video streaming	Triple stream Third stream: independent	Triple stream Third stream: independent
Overlay image	24 bit BMP	24 bit BMP
Image settings	Saturation, Brightness, Contrast adjustable by client software or web browser	Saturation, Brightness, Contrast adjustable by client software or web browser
Video output	1 Vp-p composite output (75 Ω/BNC)	1 Vp-p composite output (75 Ω/BNC)
AUDIO/ALARM		
Alarm I/O	4 / 3	4 / 3
Alarm trigger	Traversing virtual plane detection, Intrusion detection, Defocus detection, Motion detection, Face detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception	Traversing virtual plane detection, Intrusion detection, Defocus detection, Motion detection, Face detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception
NETWORK		
Local storage	Built-in SD/SDHC/SDXC slot, up to 64 GB	Built-in SD/SDHC/SDXC slot, up to 64 GB
Network storage	NAS	NAS
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour
Communication interface	1 RJ45 10M/100M/1000M Ethernet port 1 RS-485 interface 1 RS-232 interface 1 USB port	1 RJ45 10M/100M/1000M Ethernet port 1 RS-485 interface 1 USB port
Security	User authentication, watermark, IP address filtering, anonymous login, password protection, heartbeat	User authentication, watermark, IP address filtering, anonymous login, password protection, heartbeat
Compliance	ONVIF, PSIA, CGI, ISAPI	ONVIF, PSIA, CGI, ISAPI
Reset button	Yes	Yes
GENERAL		
Power supply	12 V DC ± 10%	12 V DC ± 10%
Power consumption	Max. 10 W (Max. 13 W with IR cut filter on)	Max. 10 W (Max. 13 W with IR cut filter on)
Operating conditions	-30 °C ~ 60 °C (-22°F ~ 140 °F) Humidity: 95% or less (non-condensing)	-30 °C ~ 60 °C (-22°F ~ 140 °F) Humidity: 95% or less (non-condensing)
Synchronization	Power synchronization, LED strobe light synchronization	Power synchronization, LED strobe light synchronization
Dimensions	84 × 69.6 × 150.1	84 × 69.6 × 150.1
Weight	1450 g	1450 g



ANALOGUE BOX CAMERA INDOOR

75 dB
WDR



600 TVL
Resolution



The **ANALOGUE BOX** provides **600 TV lines resolution** with value added functions such as **Day/Night**, Privacy Masking, Digital Noise Reduction, **75 dB WDR** and Backlight Compensation. It provides clear images under a variety of challenging environmental conditions thanks to its **high sensitive CCD sensor**, making it a practical solution as a cost effective, high performance surveillance camera.

- 1/3" CCD Sensor
- 600 TVL Resolution
- High sensitivity
- 75 dB Wide Dynamic Range
- True Day/Night

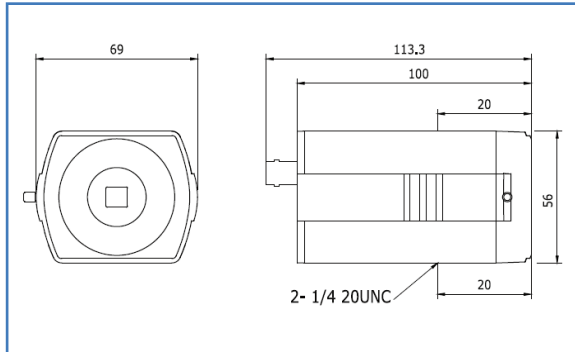
ANALOGUE BOX

CAMERA. INDOOR



SEC-4800N-XP
SEC-4800N-XN

DIMENSIONS (Unit: mm)



AVAILABLE MODELS

SEC-4800N-XP: Analogue Box, PAL

SEC-4800N-XN: Analogue Box, NTSC

1/3" CCD sensor
600 TVL Resolution
75 dB Wide Dynamic Range
True Day/Night

CAMERA	
Sensor	1/3" CCD sensor
Signal system	PAL/NTSC
Min. illumination	Colour: 0.001 Lux @ (F1.2, AGC ON) 0.0001 Lux @ (F1.2, AGC ON, sensitivity × 512) BW: 0.0001 Lux @ (F1.2, AGC ON) 0.00001 Lux @ (F1.2, AGC ON, sensitivity × 512)
Lens mount	C/CS mount
Shutter time	PAL: 1/50 s to 1/100,000 s NTSC: 1/60 s to 1/100,000 s
Day/Night	IR cut filter with auto switch Modes: Auto1 / Auto2 / Day/Night
Wide Dynamic Range	75 dB
Backlight compensation	Area / Value / Off
White balance	Auto trace WB1 / Auto trace WB2 / Manual / Auto Control
Automatic Gain Control	Low / Middle / High / Off
Signal-to-Noise Ratio	! 62 dB
On Screen Display	On / Off (16 letters, position adjustable)
Privacy masks	On / Off, maximum 12 zones
Anti-flicker	On / Off
Motion detection	Mode 1 / Mode 2 / Off
VIDEO	
Horizontal resolution	600 TVL (Colour) 650 TVL (B/W)
Effective pixels	PAL: 752 (H) × 582 (V) NTSC: 768 (H) × 494 (V)
Image settings	Eclipse, Digital Noise Reduction, Sharpness, Brightness, Saturation, Resolution, Electronic image Stabilization, Digital Zoom, Mirror, Defect Pixel correction, auto-iris correction adjustable through client software or web browser
Scene	Indoor Standard , Indoor Backlight , Outdoor, Low illumination , Customize
Video output	1 Vp-p composite output (75 "BNC)
GENERAL	
Power supply	24 V AC ± 10% 12 V DC ± 10%
Power consumption	Max. 5 W Max. 10 W with IR cut filter on
Operating conditions	-10 °C - 60 °C (14 °F - 140 °F) Humidity 90% or less (non-condensing)
Dimensions	69 x 56 x 113.3 mm (2.72" × 2.20" × 4.46")
Weight	400 g (0.88 lbs)

ANALOGUE 650 TVL DOME

CAMERA. INDOOR/OUTDOOR

CCD
sensor



650 TVL
Resolution



The **Analogue 650 TVL Dome** is a **cost effective** PTZ dome camera with a **12x auto focus zoom lens** (3.8 - 45.6 mm). It features 360° endless rotation, 256 presets, **true Day/Night** and a list of other advanced camera features. With **outdoor & indoor** models and various mounting options, these cameras are able to meet all kinds of professional surveillance needs.

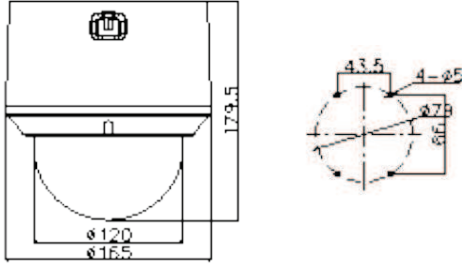
- 1/3" Interline Transfer CCD sensor
- 650 TVL Resolution
- 12x Optical Zoom (3.8 ~ 45.6 mm lens)
- Outdoor & Indoor models

ANALOGUE DOME 650 TVL

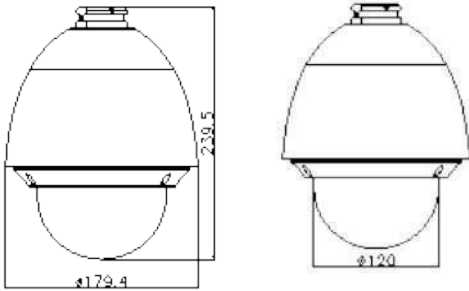
CAMERA. INDOOR/OUTDOOR

DIMENSIONS (Unit: mm)

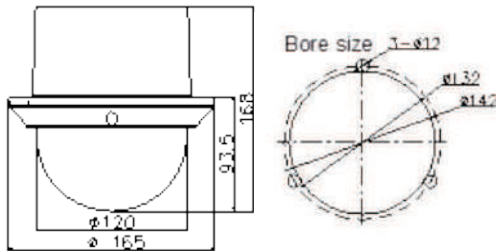
Indoor model:



Outdoor model:



Embedded:



AVAILABLE MODELS

SED-4910N-Y12P: Analogue Dome PTZ, Outdoor, PAL

SED-4910N-Y12N: Analogue Dome PTZ, Outdoor, NTSC

SED-4900N-12P: Analogue Dome PTZ, Indoor/In-ceiling, PAL

SED-4900N-12N: Analogue Dome PTZ, Indoor/In-ceiling, NTSC



SED-4910N-Y12P
SED-4910N-Y12N



SED-4900N-12P
SED-4900N-12N

1/3" Interline Transfer CCD sensor
650 TVL Resolution
3.8 ~ 45.6 mm, 12X lens
Outdoor

1/3" Interline Transfer CCD sensor
650 TVL Resolution
3.8 ~ 45.6 mm, 12X lens
Indoor

CAMERA		
Sensor	1/3" Interline Transfer CCD	1/3" Interline Transfer CCD
Min. illumination	Colour: 0.1 Lux (F1.6 AGC ON) B/W: 0.01 Lux (F1.6 AGC ON)	Colour: 0.1 Lux (F1.6 AGC ON) B/W: 0.01 Lux (F1.6 AGC ON)
Lens	3.8 ~ 45.6 mm, 12X	3.8 ~ 45.6 mm, 12X
Shutter time	PAL: 1/50 ~ 1/10,000 s NTSC: 1/60 ~ 1/10,000 s	PAL: 1/50 ~ 1/10,000 s NTSC: 1/60 ~ 1/10,000 s
Focus mode	Auto / Semiautomatic / Manual	Auto / Semiautomatic / Manual
Day/Night	IR Cut Filter	IR Cut Filter
Digital Noise Reduction	3D DNR	3D DNR
Wide Dynamic Range	Digital WDR	Digital WDR
Backlight compensation	Yes	Yes
White balance	Auto/ATW/Indoor/Outdoor/One push	Auto/ATW/Indoor/Outdoor/One push
Automatic Gain Control	Auto / Manual	Auto / Manual
Signal-to-Noise Ratio	• 50 dB	• 50 dB
Digital zoom	16X	16X
Privacy masks	8 privacy masks programmable, optional multiple colours and mosaics	8 privacy masks programmable, optional multiple colours and mosaics
PTZ		
Zoom speed	Approx. 2 s (Optical Wide-Tele)	Approx. 2 s (Optical Wide-Tele)
Angle of view	50.69 ~ 4.5 degree (Wide-Tele)	50.69 ~ 4.5 degree (Wide-Tele)
Min. Distance	10 ~ 1,500 mm (Wide-Tele)	10 ~ 1,500 mm (Wide-Tele)
Aperture range	F1.6 ~ F2.7	F1.6 ~ F2.7
Pan range & Speed	360° endless Pan Manual Speed: 0.1° -160°/s Pan Preset Speed: 160°/s	360° endless Pan Manual Speed: 0.1° -160°/s Pan Preset Speed: 160°/s
Tilt range & speed	-5° ~ 90° (Auto Flip) Tilt Manual Speed: 0.1° -120°/s Tilt Preset Speed: 120°/s	-5° ~ 90° (Auto Flip) Tilt Manual Speed: 0.1° -120°/s Tilt Preset Speed: 120°/s
Presets	256	256
Patrol	8 patrols, up to 32 presets per patrol	8 patrols, up to 32 presets per patrol
Pattern	4 patterns, with the total recording time not less than 10 minutes	4 patterns, with the recording time not less than 10 minutes per pattern
Park action	Preset / Patrol / Pattern / Pan scan / Tilt scan / Random scan / Frame scan / Panorama scan	Preset / Patrol / Pattern / Pan scan / Tilt scan / Random scan / Frame scan / Panorama scan
PTZ recovery	Support	Support
PTZ position display	Support	Support
OSD	Programmable title display	Programmable title display
Scheduled task	Preset / Patrol / Pattern / Pan scan / Tilt scan / Random scan / Frame scan / Panorama scan	Preset / Patrol / Pattern / Pan scan / Tilt scan / Random scan / Frame scan / Panorama scan
PTZ control	RS-485 (Pelco-P, Pelco-D, self-adaptive)	RS-485 (Pelco-P, Pelco-D, self-adaptive)
VIDEO		
Horizontal resolution	Color: 650 TVL B/W: 700 TVL	Color: 650 TVL B/W: 700 TVL
Effective pixels	PAL: 976 (H) × 582 (V) NTSC: 976 (H) × 494 (V)	PAL: 976 (H) × 582 (V) NTSC: 976 (H) × 494 (V)
Video output	1.0V[p-p] / 75Ω, NTSC (or PAL) composite, BNC	1.0V[p-p] / 75Ω, NTSC (or PAL) composite, BNC
GENERAL		
Power supply	24 V AC (12 VDC optional)	24 VAC (12 VDC optional)
Power consumption	Max. 18 W	Max. 12 W
Operating conditions	-30°C ~ 65°C (-22°F ~ 149°F) Humidity: 90% or less	-10°C ~ 50°C (14°F ~ 122°F) Humidity: 90% or less
Protection level	IP66 TVS 4,000V lightning protection, surge protection and voltage transient protection	TVS 4,000V lightning protection, surge protection and voltage transient protection
Dimensions	"179.4×239.5 mm ("7.06"×9.43")	"165×179.5 mm ("6.50"×7.07") (Indoor) "165×168 mm ("6.50"×6.61") (In -ceiling)
Weight	Approx. 2 Kg (4.41 lbs)	Approx. 2Kg (4.41 lbs)

ANALOGUE 700 TVL DOME

CAMERA. INDOOR/OUTDOOR

**36x
Zoom**



**700 TVL
Resolution**



Analogue 700 TVL Dome cameras are **high performance** PTZ cameras with **high-speed** pan and tilt operations at 400° and 540° per second and **smart tracking** functionality. They feature a **36x optical zoom**, 360° endless rotation, 255 presets, **true Day/Night** and a list of other advanced camera features. With **outdoor, indoor** and **vandalproof** models and various mounting options, these cameras are able to meet all kinds of professional surveillance needs.

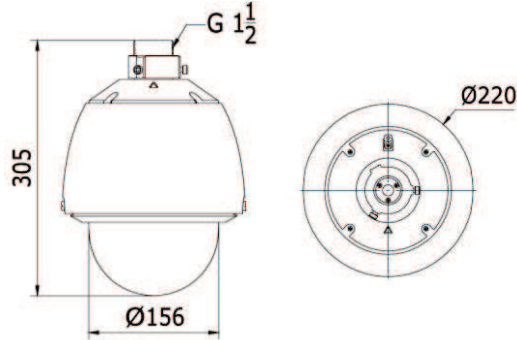
- Interline Transfer CCD sensor
- 700 TVL Resolution
- 3.3 - 119 mm, 36x lens
- Smart tracking
- Outdoor & Indoor models
- Vandalproof (optional)

ANALOGUE DOME 700 TVL

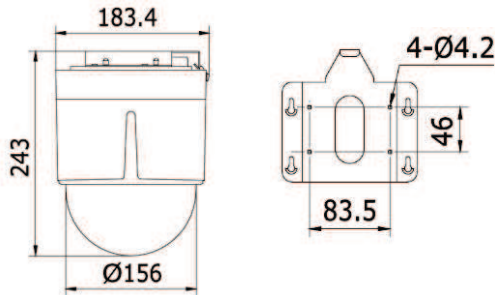
CAMERA. INDOOR/OUTDOOR

DIMENSIONS (Unit: mm)

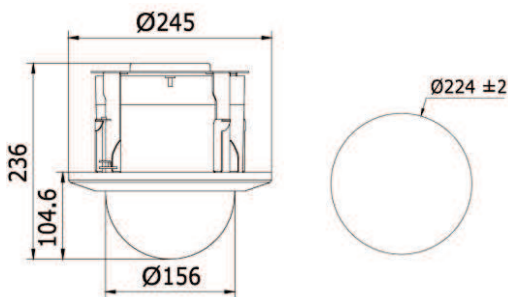
Indoor model:



Outdoor model:



In ceiling:



AVAILABLE MODELS

SED-40105N-CY36P/N: Analogue Dome PTZ, Outdoor, PAL/NTSC

SED-40105NV-CY36P/N: Analogue Dome PTZ, Vandalproof, Outdoor, PAL/NTSC

SED-40005N-C36P/N: Analogue Dome PTZ, Indoor/In-ceiling, PAL/NTSC

SED-40005NV-C36P/N: Analogue Dome PTZ, Indoor/In-ceiling, Vandalproof, PAL/NTSC



SED-40105N(V)-CY36P
SED-40105N(V)-CY36N



SED-40005N(V)-C36P
SED-40005N(V)-C36N

	1/4" Interline Transfer CCD sensor 700 TVL Resolution 3.3 - 119 mm, 36X lens Outdoor	1/4" Interline Transfer CCD sensor 700 TVL Resolution 3.3 - 119 mm, 36X lens Indoor
CAMERA		
Sensor	1/4" Interline Transfer CCD	1/4" Interline Transfer CCD
Min. illumination	Colour: 0.02 Lux (F1.6, AGC ON), 0.0008 Lux (F1.6, AGC ON, IRE × 256) B/W: 0.002 Lux (F1.6, AGC ON), 0.00008 Lux (F1.6, AGC ON, IRE × 256)	Colour: 0.02 Lux (F1.6, AGC ON), 0.0008 Lux (F1.6, AGC ON, IRE × 256) B/W: 0.002 Lux (F1.6, AGC ON), 0.00008 Lux (F1.6, AGC ON, IRE × 256)
Lens	3.3 - 119 mm, 36X	3.3 - 119 mm, 36X
Shutter time	PAL: 1/3 ~ 1/10,000 s NTSC: 1/4 ~ 1/10,000 s	PAL: 1/3 ~ 1/10,000 s NTSC: 1/4 ~ 1/10,000 s
Focus mode	Auto / Semiautomatic / Manual	Auto / Semiautomatic / Manual
Day/Night	IR Cut Filter	IR Cut Filter
DNR	3D DNR	3D DNR
WDR	Digital WDR	Digital WDR
BLC	Yes	Yes
White balance	Auto / Manual / ATW / Indoor / Outdoor	Auto / Manual / ATW / Indoor / Outdoor
AGC	Auto / Manual	Auto / Manual
Signal-to-Noise Ratio	• 50 dB	• 50 dB
Digital zoom	16X	16X
Privacy masks	8 privacy masks programmable, optional multiple colours and mosaics	8 privacy masks programmable, optional multiple colours and mosaics
PTZ		
Zoom speed	Approx. 6.0 s (Optical Wide-Tele)	Approx. 6.0 s (Optical Wide-Tele)
Angle of view	57.1 ~ 1.7 degree (Wide-Tele)	57.1 ~ 1.7 degree (Wide-Tele)
Min. Distance	10 ~ 1,500 mm (Wide-Tele)	10 ~ 1,500 mm (Wide-Tele)
Aperture range	F1.4 ~ F4.2	F1.4 ~ F4.2
Pan range & Speed	360° endless Pan Manual Speed: 0.1° ~ 300°/s Pan Preset Speed: 540°/s	360° endless Pan Manual Speed: 0.1° ~ 300°/s Pan Preset Speed: 540°/s
Tilt range & speed	-5° ~ 90°(Auto Flip) Tilt Manual Speed: 0.1° ~ 240°/s Tilt Preset Speed: 400°/s	-5° ~ 90°(Auto Flip) Tilt Manual Speed: 0.1° ~ 240°/s Tilt Preset Speed: 400°/s
Presets	255	255
Patrol	8 patrols, up to 32 presets per patrol	8 patrols, up to 32 presets per patrol
Pattern	4 patterns, with the total recording time not less than 10 minutes	4 patterns, with the total recording time not less than 10 minutes
Park action	Preset / Patrol / Pattern / Pan scan / Tilt scan / Frame Scan / Random scan / Panorama scan	Preset / Patrol / Pattern / Pan scan / Tilt scan / Frame Scan / Random scan / Panorama scan
Smart tracking	Support	Support
PTZ recovery	Support	Support
PTZ position display	Support	Support
Preset freezing	Support	Support
OSD	Programmable title display	Programmable title display
Scheduled task	Preset / Patrol / Pattern / Pan scan / Tilt scan / Frame Scan / Random scan / Panorama scan / Day / Night	Preset / Patrol / Pattern / Pan scan / Tilt scan / Frame Scan / Random scan / Panorama scan / Day / Night
PTZ control	RS-485 (Pelco-P, Pelco-D, self-adaptive)	RS-485 (Pelco-P, Pelco-D, self-adaptive)
VIDEO		
Horizontal resolution	Colour: 700 TVL B/W: 750 TVL	Colour: 700 TVL B/W: 750 TVL
Effective pixels	PAL: 976 (H) × 582 (V) NTSC: 976 (H) × 494 (V)	PAL: 976 (H) × 582 (V) NTSC: 976 (H) × 494 (V)
Video output	1.0V(p-p) / 75Ω, NTSC (or PAL) composite, BNC	1.0V(p-p) / 75Ω, NTSC (or PAL) composite, BNC
AUDIO/ALARM		
Alarm input	2 (7 alarm inputs optional)	2 (7 alarm inputs optional)
Alarm output	2 relay outputs, configurable actions	2 relay outputs, configurable actions
Alarm action	Preset / Patrol / Pattern / Pan scan / Tilt scan / Random scan / Frame scan / Panorama scan / Relay output	Preset / Patrol / Pattern / Pan scan / Tilt scan / Random scan / Frame scan / Panorama scan / Relay output
GENERAL		
Power supply	24 V AC (12 VDC optional)	24 VAC
Power consumption	Max.40 W	Max. 20 W
Operating conditions	-30°C ~ 65°C (-22°F ~ 149°F) Humidity: 90% or less	-10°C ~ 50°C (14°F ~ 122°F) Humidity: 90% or less
Protection level	IP66 TVS 4,000V lightning protection, surge protection and voltage transient protection - 40105NV models: IK10	TVS 4,000V lightning protection, surge protection and voltage transient protection - 40005NV models: IK10
Dimensions	"220 × 325.5 mm ("8.66"×12.81")	"183.4 × 243 mm ("7.22"×9.56") (Indoor) "245 × 236 mm ("9.65"×9.29") (In -ceiling)
Weight	Approx. 5 Kg (11.02 lbs)	Approx. 5 Kg (11.02 lbs)

Rev. 0

All characteristics and technical specifications may be subject to modifications considered necessary by the manufacturer to improve the product. The information in this datasheet is indicative and is declared to be valid except for typographic errors. All brand and product names in this datasheet are property of Scati labs, S.A. and their use without prior permission is strictly forbidden. For further information, please contact info@scati.com.

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ANALOGUE 700 TVL IR DOME

CAMERA. OUTDOOR

100 meter
IR range



700 TVL
Resolution



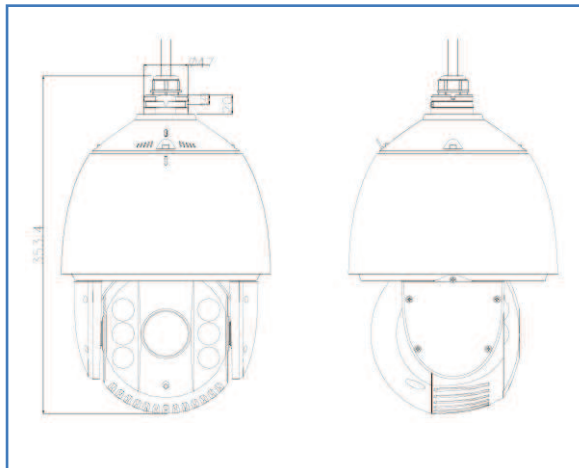
The **Analogue 700 TVL IR Dome** camera is a **cost effective PTZ** with a **36x optical zoom** Varifocal lens and **700 TVL** resolution. It features 360° endless rotation, 256 presets, true Day/Night and a list of other advanced camera features. With **100 meter Infrared range**, and **outdoor IP66** level protection, it is perfect to deliver clear images in outdoor environments with poor lighting conditions.

- 1/4" Interline Transfer CCD sensor
- 700 TVL Resolution
- 3.3 - 119 mm, 36x lens
- DWDR, 3D DNR
- Outdoor (IP66)

ANALOGUE DOME 700TVL IR

CAMERA. OUTDOOR

DIMENSIONS (Unit: mm)



AVAILABLE MODELS

SED-40105R-Y36P: Analogue PTZ Dome, 100 meter Infrared range, PAL

SED-40105R-Y36N: Analogue PTZ Dome, 100 meter Infrared range, NTSC



SED-40105R-Y36P
SED-40105R-Y36N

1/4" Interline Transfer CCD sensor
700 TVL Resolution
3.3 - 119 mm, 36X lens
Outdoor

CAMERA	
Sensor	1/4" Interline Transfer CCD
Min. illumination	Colour: 0.02 lux (F1.6, AGC ON), 0.0008 lux (F1.6, AGC ON, sensitivity×256), 0 lux with IR B/W: 0.002lux (F1.6, AGC ON), 0.00008 lux (F1.6, AGC ON, sensitivity×256), 0 lux with IR
Lens	3.3 ~ 119 mm, 36X
Shutter time	PAL: 1 ~ 1/10,000 s NTSC: 1 ~ 1/10,000 s
Focus mode	Auto / Semiautomatic / Manual
Day/Night	IR Cut Filter
DNR	3D DNR
WDR	Digital WDR
White balance	Auto / Manual / ATW / Indoor / Outdoor
AGC	Auto / Manual
Signal-to-Noise Ratio	• 50 dB
Digital zoom	16X
Privacy masks	8 privacy masks programmable, optional multiple colours and mosaics
IR range	100 m
IR irradiation angle	Automatically adjusted, depending on the zoom ratio
PTZ	
Zoom speed	Approx. 6.0 s (Optical Wide-Tele)
Angle of view	57.1 ~ 1.7 degree (Wide-Tele)
Min. Distance	10 ~ 1,000mm (Wide-Tele)
Aperture range	F1.4 ~ F3.7
Pan range & Speed	360° endless Pan Manual Speed: 0.1° ~ 160°/s Pan Preset Speed: 240°/s
Tilt range & speed	-15° ~ 90° (Auto Flip) Tilt Manual Speed: 0.1° ~ 120°/s Tilt Preset Speed: 200°/s
Presets	256
Patrol	8 patrols, up to 32 presets per patrol
Pattern	4 patterns, with the total recording time not less than 10 minutes
Park action & Scheduled task	Preset / Patrol / Pattern / Pan / Tilt / Auto / Random / Frame / Panorama scan
PTZ recovery	Support
PTZ position display	On / Off
PTZ control	RS-485 (Pelco-P, Pelco-D, self-adaptive)
VIDEO	
Horizontal resolution	Colour: 700 TVL B/W: 750 TVL
Effective pixels	PAL: 976 (H) × 582 (V) NTSC: 976 (H) × 494 (V)
Video output	1.0V[p-p] / 75Ω, PAL / NTSC composite, BNC
GENERAL	
Power supply	24 V AC
Power consumption	Max.30 W
Operating conditions	-30°C ~ 65°C (-22°F ~ 149°F) Humidity: 90% or less
Protection level	IP66 TVS 4,000V lightning protection, surge protection and voltage transient protection
Dimensions	"245 × 399mm ("9.65" × 15.71")
Weight	Approx. 5.5 Kg(12.13lbs)



ANALOGUE 700 TVL IR AUDIO DOME CAMERA. OUTDOOR

150 meter
IR range



700 TVL
Resolution



The **Analogue 700 TVL IR Audio Dome** camera is a high performance PTZ camera with **36x optical zoom** and **smart tracking** functionality. It features 360° endless rotation, 256 presets, true Day/Night, digital WDR and a list of other advanced camera features. With **150 meter Infrared range** and **outdoor IP66** level protection, it is perfect to deliver high quality images in outdoor environments with poor lighting conditions.

- 1/4" Interline Transfer CCD sensor
- 700 TVL Resolution
- 3.3 - 119 mm, 36x lens
- 150 meter IR range
- Smart tracking & Audio/Alarm
- Outdoor (IP66)

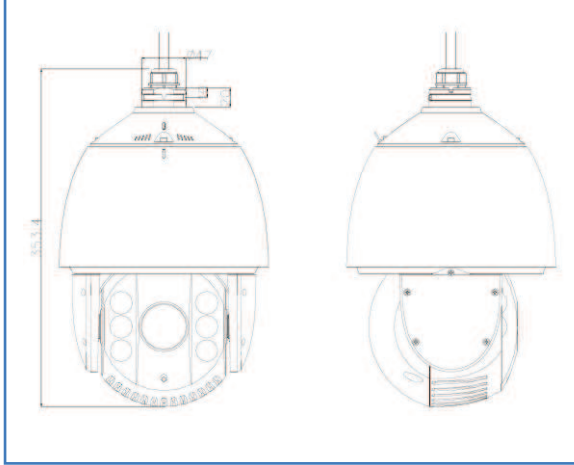
ANALOGUE 700 TVL DOME

CAMERA. OUTDOOR



SED-4010R12-Y36P
SED-4010R12-Y36N

DIMENSIONS (Unit: mm)



AVAILABLE MODELS

SED-4010R12-Y36P: Analogue PTZ Dome, 150 meter Infrared range, Audio/Alarm, PAL

SED-4010R12-Y36N: Analogue PTZ Dome, 150 meter Infrared range, Audio/Alarm, NTSC

1/4" Interline Transfer CCD sensor
700 TVL Resolution
3.3 - 119 mm, 36X lens
150 meter IR range
Outdoor

CAMERA	
Sensor	1/4" Interline Transfer CCD
Min. illumination	Colour: 0.02 lux (F1.6, AGC ON), 0.0008 lux (F1.6, AGC ON, sensitivity×256), 0 lux with IR B/W: 0.002lux (F1.6, AGC ON), 0.00008 lux (F1.6, AGC ON, sensitivity×256), 0 lux with IR
Lens	3.3 ~ 119 mm, 36X
Shutter time	PAL: 1/3 ~ 1/10,000 s NTSC: 1/4 ~ 1/10,000 s
Focus mode	Auto / Semiautomatic / Manual
Day/Night	IR Cut Filter
DNR	3D DNR
WDR	Digital WDR
Backlight compensation	Yes
White balance	Auto / Manual / ATW / Indoor / Outdoor
AGC	Auto / Manual
Signal-to-Noise Ratio	• 50 dB
Digital zoom	16X
Privacy masks	8 privacy masks programmable, optional multiple colours and mosaics
Smart tracking	Support
IR range	150 m
IR irradiation angle	Automatically adjusted, depending on the zoom ratio
PTZ	
Zoom speed	Approx. 6.0 s (Optical Wide-Tele)
Angle of view	57.1 ~ 1.7 degree (Wide-Tele)
Min. Distance	10 ~ 1,500mm (Wide-Tele)
Aperture range	F1.4 ~ F4.2
Pan range & Speed	360° endless Pan Manual Speed: 0.1° ~ 160°/s Pan Preset Speed: 240°/s
Tilt range & speed	-2° ~ 90°(Auto Flip) Tilt Manual Speed: 0.1° ~ 120°/s Tilt Preset Speed: 200°/s
Presets	256
Patrol	8 patrols, up to 32 presets per patrol
Pattern	4 patterns, with the total recording time not less than 10 minutes
Park action & Scheduled task	Preset / Patrol / Pattern / Pan / Tilt / Auto / Random / Frame / Panorama scan
PTZ recovery	Support
PTZ position display	On / Off
OSD	Programmable title display
Preset freezing	Support
PTZ control	RS-485 (Pelco-P, Pelco-D, self-adaptive)
VIDEO	
Horizontal resolution	Colour: 700 TVL B/W: 750 TVL
Effective pixels	PAL: 976 (H) × 582 (V) NTSC: 976 (H) × 494 (V)
Video output	1.0V[p-p] / 75 Ω , PAL / NTSC composite, BNC
AUDIO/ALARM	
Alarm input	2 (7 alarm inputs optional)
Alarm output	2 relay outputs, alarm response actions configurable
Alarm action	Preset / Patrol / Pattern / Pan scan / Tilt scan / Random scan / Frame scan / Panorama scan / Relay output
GENERAL	
Power supply	24 V AC
Power consumption	Max.50 W
Operating conditions	-30°C ~ 65°C (-22°F ~ 149°F) Humidity: 90% or less
Protection level	IP66 TVS 4,000V lightning protection, surge protection and voltage transient protection
Dimensions	"245 × 399mm ("9.65" × 15.71")
Weight	Approx. 5.5 Kg(12.13lbs)

Rev. 0

All characteristics and technical specifications may be subject to modifications considered necessary by the manufacturer to improve the product. The information in this datasheet is indicative and is declared to be valid except for typographic errors. All brand and product names in this datasheet are property of Scati labs, S.A. and their use without prior permission is strictly forbidden. For further information, please contact info@scati.com.

ANALOGUE MINIDOME CAMERA OUTDOOR

40 meter
IR range



700 TVL
Resolution



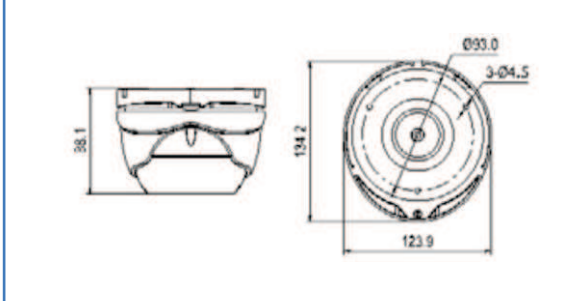
The **ANALOGUE MINIDOME** camera provides **700 TV lines resolution** and is able to capture images in low light conditions thanks to its integrated 40 meter range **Infrared illuminators**. It adapts to different focal distances with its 2.8 - 12 mm **Varifocal lens** and is **outdoor-ready** (IP66), constituting a practical solution as a cost effective analogue surveillance camera.

- 1/3" DIS Sensor
- 700 TVL Resolution
- 2.8 - 12 mm Varifocal lens
- 40 meter Infrared range
- Outdoor (IP66)

ANALOGUE MINIDOME

CAMERA. OUTDOOR

DIMENSIONS (Unit: mm)



AVAILABLE MODELS

SEM-4012NR3-YP: Analogue Minidome, PAL

SEM-4012NR3-YN: Analogue Minidome, NTSC



SEM-4012NR3-YP
SEM-4012NR3-YN

1/3" DIS sensor
700 TVL Resolution
2.8 - 12 mm VF lens
40 meter IR range
Outdoor (IP66)

CAMERA	
Sensor	1/3" DIS sensor
Signal system	PAL/NTSC
Min. illumination	0.1 Lux @ (F1.2, AGC ON) 0 Lux with IR
Lens	2.8 - 12 mm @ F1.4
Angle of view	80° - 27.2°
Lens mount	1/4
Angle adjustment	Pan: 0 - 360° Tilt: 0 - 75° Rotation: 0 - 360°
Shutter time	PAL: 1/50 s to 1/100,000 s NTSC: 1/60 s to 1/100,000 s
Synchronization	Internal synchronization
Day/Night	IR cut filter with auto switch
Backlight compensation	On
Signal-to-Noise Ratio	" 62 dB
IR range	30 - 40 m
VIDEO	
Horizontal resolution	700 TVL
Effective pixels	976 (H) × 496 (V)
Video output	1 Vp-p composite output (75 #/BNC)
GENERAL	
Power supply	12 V DC ± 10%
Power consumption	Max. 4 W (Max. 5 W with IR cut filter on)
Operating conditions	-40 °C - 60 °C (-40 °F - 140 °F) Humidity 90% or less (non-condensing)
Protection level	IP66
Dimensions	134.2 × 123.9 × 88.1 mm (5.28"×4.88"×3.47")
Weight	800 g (1.76 lbs)



ANALOGUE MINIDOME VANDALPROOF CAMERA. OUTDOOR

30 meter
IR range



700 TVL
Resolution



The **ANALOGUE MINIDOME VANDALPROOF** camera provides **700 TV lines resolution** and is able to capture images in low light conditions thanks to its integrated **Infrared illuminators**. It features advanced functionalities such as auto iris support, BLC and **smart IR** among others and is **outdoor-ready** (IP66) and **Vandalproof** (IK10), constituting a practical solution as a cost effective analogue surveillance camera.

- 1/3" CCD Sensor
- 700 TVL Resolution
- 2.8 - 12 mm Varifocal lens
- 30 meter Infrared range
- Outdoor (IP66)
- Vandalproof

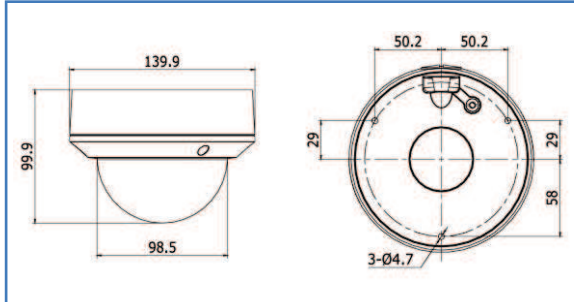
ANALOGUE MINIDOME

CAMERA. OUTDOOR



SED-4010NVR2-BYP
SED-4010NVR2-BYN

DIMENSIONS (Unit: mm)



AVAILABLE MODELS

SED-4010NVR2-BYP: Analogue Minidome, PAL

SED-4010NVR2-BYN: Analogue Minidome, NTSC

1/3" CCD sensor
700 TVL Resolution
2.8 - 12 mm VF lens
40 meter IR range
Outdoor (IP66)

CAMERA	
Sensor	1/3" CCD sensor
Signal system	PAL/NTSC
Min. illumination	0.001Lux @ (F1.2,AGC ON) 0 Lux with IR
Lens	2.8 - 12 mm @ F1.4
Angle of view	80° - 27.2°
Lens mount	M14
Angle adjustment	Pan: 0 - 355° Tilt: 0 - 75° Rotation: 0 - 355°
Shutter time	PAL: 1/50 s to 1/100,000 s NTSC: 1/60 s to 1/100,000 s
Auto iris	DC drive
Synchronization	Internal power synchronization
Day/Night	IR cut filter with auto switch Modes: Auto /Day /Night/ EXT1/ EXT2
Backlight compensation	BLC/HLC/Off
White balance	ATW/PUSH/USER1/USER2/ANTI CR/MANUAL/PUSH LOCK
Signal-to-Noise Ratio	" 62 dB
Privacy masks	On/Off, maximum 8 zones
Motion detection	On/Off
OSD	On/Off (52 letters, position adjustable)
IR range	20 - 30 m
VIDEO	
Horizontal resolution	700 TVL
Effective pixels	PAL:976 (H) × 582 (V) NTSC:976 (H) × 494 (V)
Image settings	Smart IR, ATR, HLC, DNR, Sharpness, Brightness, Contrast, Hue, Gain, Mirror, Defect Pixel Correction
Video output	1Vp-p composite output (75 #/BNC) Test monitor out [1Vp-p composite output (75 #/BNC), device line]
GENERAL	
Power supply	24 V AC ± 10% 12 V DC ± 10%
Power consumption	Max. 4 W (Max. 4.5 W with IR cut filter on)
Operating conditions	-40 °C - 60 °C (-40 °F - 140 °F) Humidity 90% or less (non-condensing)
Protection level	IP66
Impact protection	IEC60068-2-75 test, Eh, 50J; EN50102, up to IK10
Dimensions	\$139.9 × 99.9 mm (\$5.51" × 3.93")
Weight	800 g (1.76 lbs)

ANALOGUE BULLET CAMERA OUTDOOR

40 meter
IR range



700 TVL
Resolution



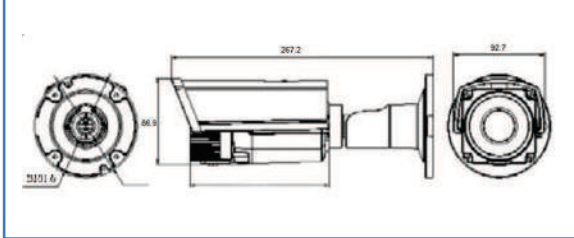
The **ANALOGUE BULLET** provides **700 TV lines resolution** and is able to capture images in low light conditions thanks to its integrated 40 meter range **Infrared illuminators**. It adapts to different focal distances with its 2.8 - 12 mm **Varifocal lens** and is **outdoor-ready** (IP66), constituting a practical solution as a cost effective analogue surveillance camera.

- 1/3" DIS Sensor
- 700 TVL Resolution
- 2.8 - 12 mm Varifocal lens
- 40 meter Infrared range
- Outdoor (IP66)

ANALOGUE BULLET

CAMERA. OUTDOOR

DIMENSIONS (Unit: mm)



AVAILABLE MODELS

SEC-4012NR3-YP: Analogue Bullet, PAL

SEC-4012NR3-YN: Analogue Bullet, NTSC



SEC-4012NR3-YP
SEC-4012NR3-YN

1/3" DIS sensor
700 TVL Resolution
2.8 - 12 mm Varifocal lens
40 meter Infrared range

CAMERA	
Sensor	1/3" DIS sensor
Signal system	PAL/NTSC
Min. illumination	0.1 Lux @ (F1.2, AGC ON) 0 Lux with IR
Lens	2.8 - 12 mm @ F1.4
Angle of view	80° - 27.2°
Angle adjustment	Pan: 0 - 360° Tilt: 0 - 90° Rotation: 0 - 360°
Lens mount	!14
Shutter time	PAL: 1/50 s to 1/100,000 s NTSC: 1/60 s to 1/100,000 s
Synchronization	Internal synchronization
Day/Night	IR cut filter with auto switch
Signal-to-Noise Ratio	" 62 dB
IR range	30 - 40 m
VIDEO	
Horizontal resolution	700 TVL
Effective pixels	976 (H) × 496 (V)
Video output	1Vp-p composite output (75 #/BNC)
GENERAL	
Power supply	12 V DC ± 10%
Power consumption	Max. 4 W Max. 5 W with IR cut filter on
Operating conditions	-40 °C - 60 °C (14 °F - 140 °F) Humidity 90% or less (non-condensing)
Protection level	IP66
Dimensions	105 × 86.9 × 267.2mm(! 4.13" × 3.42" × 10.52")
Weight	1,350 g (2.97 lbs)

ANALOGUE BULLET CCD

CAMERA. OUTDOOR

40 meter
IR range



700 TVL
Resolution



The **ANALOGUE BULLET** provides **700 TV lines resolution** and is able to capture images in low light conditions thanks to its integrated 40 meter range **Infrared illuminators**. It adapts to different focal distances with its 2.8 - 12 mm **Varifocal lens** and is **outdoor-ready** (IP66), constituting a practical solution as a cost effective analogue surveillance camera.

- 1/3" CCD Sensor
- 700 TVL Resolution
- 2.8 - 12 mm Varifocal lens
- 40 meter Infrared range
- Outdoor (IP66)

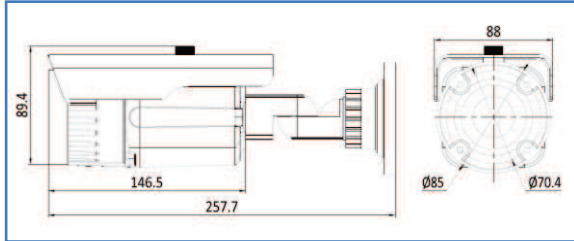
ANALOGUE BULLET CCD

CAMERA. OUTDOOR



SEC-4010NR3-YP
SEC-4010NR3-YN

DIMENSIONS (Unit: mm)



AVAILABLE MODELS

SEC-4010NR3-YP: Analogue Bullet, PAL

SEC-4010NR3-YN: Analogue Bullet, NTSC

1/3" CCD sensor
700 TVL Resolution
2.8 - 12 mm Varifocal lens
40 meter Infrared range

CAMERA	
Sensor	1/3" CCD sensor
Signal system	PAL/NTSC
Min. illumination	0.001Lux @ (F1.2,AGC ON) 0 Lux with IR
Lens	2.8 - 12 mm @ F1.4
Angle of view	80° - 27.2°
Angle adjustment	Pan: 0 - 360° Tilt: 0 - 75° Rotation: 0 - 360°
Lens mount	!14
Shutter time	PAL: 1/50 s to 1/100,000 s NTSC: 1/60 s to 1/100,000 s
Auto iris	DC drive
Synchronization	Internal/Power synchronization
Day/Night	IR cut filter with auto switch
Signal-to-Noise Ratio	" 62 dB
On screen display	On/Off (52 letters, position adjustable)
White Balance	ATW/PUSH/USER1/USER2/ANTI CR/MANUAL/PUSH LOCK
Backlight Compensation	LC/HLC/Off
Privacy Masking	On/Off, maximum 8 zones
Motion Detection	On/Off
Function	Smart IR, ATR, HLC, DNR, Sharpness, Brightness, Contrast, Hue, Gain, Mirror, Defect Pixel Correction
IR range	30 - 40 m
VIDEO	
Horizontal resolution	700 TVL
Effective pixels	PAL: 976 (H) × 582 (V) NTSC: 976 (H) × 494 (V)
Video output	1Vp-p composite output (75 #/BNC); Test monitor out [1Vp-p composite output (75 #/BNC), device line
GENERAL	
Power supply	24 V AC ± 10%, 12 V DC ± 10%
Power consumption	Max. 7.5 W (Max. 8 W with IR cut filter on)
Operating conditions	-10 °C - 60 °C (14 °F - 140 °F) Humidity 90% or less (non-condensing)
Protection level	IP66
Dimensions	88 × 89.4 × 257.7mm(! 3.46" x 3.52" x 10.15")
Weight	1,350g (2.97 lbs)



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