

## SEM-35X16R-XY36

**2 MP 36x Explosion-Proof  
Positioning Camera**



### RELEVANT FEATURES AND FUNCTIONS

- 1/1.8" Progressive Scan CMOS Sensor
- 2 Megapixel resolution
- 5.7 to 205 mm lens
- Optical zoom 36x
- 120 dB WDR
- Outdoor (IP68)
- Stainless Steel 316L
- ATEX certificate



## SEM-35X16R-XY36

### CAMERA

Sensor	1/1.8" Progressive Scan CMOS
White balance	Auto/Manual/ATW (Auto-tracking White Balance)/Indoor/Outdoor/Fluorescent Lamp/Sodium Lamp
Min. illumination	Color: 0.002 Lux @(F1.5, AGC ON) B/W: 0.0002 Lux @(F1.5, AGC ON) 0 Lux with IR
Focal Length	5.7 mm to 205 mm, 36× optical zoom
Zoom Speed	Approx. 4.4 s (optical lens, wide-tele)
Field of View	Horizontal field of view: 59.8° to 2.0° (wide-tele) Vertical field of view: 35° to 1.1° (wide-tele) Diagonal field of view: 66.2° to 2.3° (wide-tele)
Working Distance	10 mm to 1500 mm (wide-tele)
Aperture Range	F1.5 to F4.5
Gain	Auto/Manual
Shutter Time	50Hz: 1/1 s to 1/30,000 s 60Hz: 1/1 s to 1/30,000 s
Day & Night	IR Cut Filter
Digital zoom	16x
Privacy Mask	24 programmable privacy masks
Focus Mode	Auto/Semi-automatic/Manual
Wide Dynamic Range	120 dB WDR
Image usability	HLC/BLC/3D DNR/Defog/EIS/Regional Exposure/Regional Focus
IR range	Up to 150 m

### PTZ

Movement range	Pan: 360° endless Tilt: From -90° to 90°(auto-flip)
Speed	Pan: Configurable, from 0.1°/s to 50°/s, Preset speed: 50°/s Tilt: Configurable, from 0.1°/s to 40°/s, Preset Speed: 40°/s
Proportional Zoom	Support
Presets	300
Patrol scan	8 patrols, up to 32 presets for each patrol
Pattern scan	4 pattern scans, record time over 10 minutes for each scan
3D positioning	Support
PTZ Position Display	Support
Preset Freezing	Support
Scheduled Task	Preset/Pattern Scan/Patrol Scan/Auto Scan/Tilt Scan/Random Scan/Frame Scan/Panorama Scan/Dome Reboot/Dome Adjust/Aux Output

### VIDEO

Max. resolution	1920 x 1080
Frame rate	Main Stream: 50Hz: 25fps (1920×1080, 1280×960, 1280×720) 60Hz: 30fps (1920×1080, 1280×960, 1280×720) Sub Stream: 50Hz: 25fps (704×576, 640×480, 352×288) 60Hz: 30fps (704×480, 640×480, 352×240) Third Stream: 50Hz: 25fps (1920×1080, 1280×960, 1280×720, 704×576, 640×480, 352×288) 60Hz: 30fps (1920×1080, 1280×960, 1280×720, 704×480, 640×480, 352×240)
Video compression	H.265 Ultra/H.265/H.264 Ultra/H.264/MJPEG * H.265 and H.265 only available for FENIX platform
Video bit rate	32 Kbps to 16 Mbps
Region of interest	Main stream, sub-stream, and third stream respectively support four fixed areas
Smart features	Face Detection, Audio Exception Detection, Intrusion Detection, Line Crossing Detection, Region Entrance Detection, Region Exiting Detection

### AUDIO/ALARM

Audio compression	G.711alaw/G.711ulaw/G.722.1/G.726/MP2L2/PCM
Audio bit rate	64 Kbps (G.711)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 Kbps to 192 Kbps (MP2L2)
Audio I/O	1-ch audio input and 1-ch audio output
Alarm I/O	7-ch alarm input and 2-ch alarm output
Alarm actions	Motion Detection, Alarm Input, Alarm Output, Video Tampering Detection, Exception

### ORDERING INFORMATION

- SEM-35X16R-XY36

**SEM-35X16R-XY36**

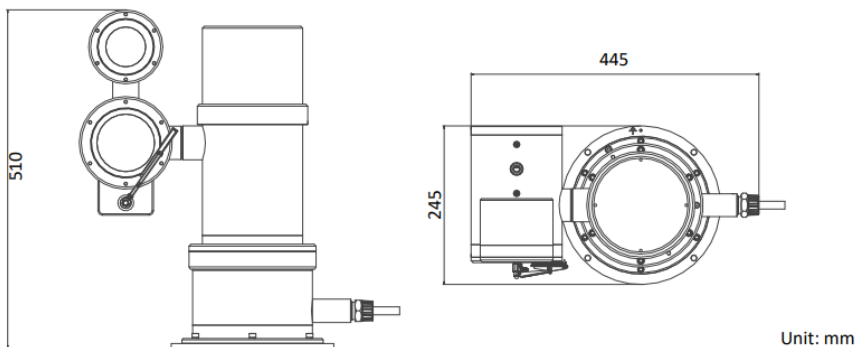
**NETWORK**

Local storage	Built-in Micro SD/SDHC/SDXC slot, up to 256 GB
Network storage	NAS (Support NPS, SMB/CIFS)
Protocols	IPv4/IPv6, HTTP, HTTPS, 802.1x, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP/IP, UDP, IGMP, ICMP, DHCP, PPPoE, Bonjour
Communication interface	1 RJ45 10M/100M Ethernet port
BNC	1.0V [p-p]/75 Ω, NTSC (or PAL) composite
Compliance	ONVIF (PROFILE S, PROFILE G), ISAPI, CGI
Simultaneous Live View	Up to 20 channels
User/Host	Up to 32 users 3 levels: Administrator, Operator and User
Security measures	User authentication (ID and PW), Host authentication (MAC address); HTTPS encryption; IEEE 802.1x port-based network access control; IP address filtering

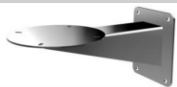
**GENERAL**

Power supply	100 VAC to 240 VAC Max.: 100 W (Max. 15 W for IR)
Operating conditions	-40 °C to 60 °C (-40 °F to 140 °F) Humidity 90% or less (non-condensing)
Protection level	IP68
Material	Stainless steel 316L
Explosion-Proof Certificate No	TUV 17 ATEX 8118: Ex db IIC T6 Gb/Ex tb IIIC T80°C Db IECEX TUR 17.0049: II 2 G Ex db IIC T6 Gb/ II 2 D Ex tb IIIC T80°C Db
Dimensions	445 mm × 245 mm × 510 mm (17.52" × 9.65" × 20.08")
Weight	Approx. 36.7 kg (80.91 lb)

**DIMENSIONS**



**ACCESSORIES**



SES-1713X  
Wall mount bracket (included)