



PRO 9840IP-IVS

6MP + 5MP Dual-Lens Network PTZ Camera

Siera manufactures reliable and affordable solutions in Electronic Security, CCTV, Access Control, Intercommunication and Professional Audio.

Featured specifications

- 6MP 1/1.8" STARVIS™ CMOS panoramic lens.
- 5MP 1/2.8" STARVIS™ CMOS fixed lens.
- 32x optical zoom, 16x digital zoom.
- Supports detection and capture of faces, people, and vehicles, as well as smoke and fire detection.
- Supports intelligent intrusion analysis, single- or double-line crossing, loitering, wrong-way detection, illegal parking, intelligent motion detection, and people counting.
- Deep-learning-based auto tracking and perimeter protection. True WDR, 3D DNR, ICR, defog, and DIS.
- Smart illumination, with up to 200 m infrared range and 60 m warm light LED range.
- Supports heated glass for defogging, IP67, and IK10.

CAMERA	PTZ Camera	Panoramic Camera
Image Sensor	1/2.8" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS
Max. Resolution	2592(H) × 1944(V)	3072(H) × 2048(V)
Day/Night	Auto (ICR)	Auto (ICR)
Minimum Illumination	Color: 0.0015 Lux @ (F1.6, AGC ON), 0 Lux with illuminator on	Color: 0.0006 Lux @ (F1.0, AGC ON), 0 Lux with illuminator on
Electronic Shutter	Auto / Manual, 1/5 to 1/20,000	—
LENS		
Focal Length	5.3 to 159 mm	Fisheye
Aperture	Auto, F1.6 (W) to F4.3 (T)	Fixed F1.0
Viewing Angle	H: 56.8° to 2.6°, V: 42.7° to 2.0°	H: 180°, V: 100°
Iris	Auto / Manual	Fixed
Zoom	32x Optical / 16x Digital	N/A
Focus Control	Auto / Manual / Semi-autos	N/A
DORI		
Lens	5.3 to 159 mm	Fisheye
Detection	103 to 3,090 m (337.93 to 10,137.8 ft)	65 m (213.3 ft)
Observation	41.2 to 1,236 m (135.17 to 4,055.1 ft)	26 m (85.3 ft)
Recognition	20.6 to 618 m (67.59 to 2,027.6 ft)	13 m (42.7 ft)
Identification	10.3 to 309 m (33.79 to 1,013.8 ft)	6.5 m (21.3 ft)
ILLUMINATOR		
Illuminator Type	IR + Warm Light	Warm Light
Illuminator Range	IR up to 200 m Warm Light up to 60 m	Warm Light up to 30 m
Illuminator On/Off Control	Auto / Manual	—
IR Wavelength	850 nm	—
ANALYTICS		
Multiple Object Detection	- Supports face, people, and vehicle detection and capture; - Supports attribute detection for people and vehicles; - Supports multiple framing modes: Full Frame, Four-Corner Frame, Mosaic.	
Attribute Extraction	Human Attributes: Gender, age, glasses, hat, bag, color and style of top clothing, color and style of bottom clothing, reflective vest.	
Intelligent Analytics	Vehicle Attributes: Type, color, make, orientation Human Attributes: Gender, age, glasses, hat, bag, color and style of top clothing, color and style of bottom clothing, reflective vest. Vehicle Attributes: Type, color, make, orientation	

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People Counting	Supported	
Smoke and flame detection	Supported	
PTZ		
Pan/Tilt Range	Pan: 0° to 360° Tilt: -15° to +90° (Auto Flip)	Tilt: 13° to 23°
Pan Speed	0.1° to 230°/s, Preset Speed: 230°/s	N/A
Tilt Speed	0.1° to 100°/s, Preset Speed: 100°/s	N/A
Presets	400	
Patrol	6 Tracks, 12 Scans, 12 Patrols (up to 32 presets each)	
Power-off Memory	Supported	
3D Positioning	Supported	
PTZ Display	Supported	
Idle Motion	User-defined schedule (1–240 min.) with Presets, Patrols, Scans and Tracks	
VIDEO & AUDIO		
Streaming Capability	3 Streams	3 Streams (H.264/H.265/MJPEG)
Stream Resolution & Frame Rate	Stream1: 2592×1944, 2592×1520, 1920×1080, 1280×720 @25/30fps Stream2: D1, VGA, CIF @25/30fps Stream3: VGA, CIF, QVGA @25/30fps	Stream1: 3072×2048, 2304×1296, 1920×1080, 1280×720 @25/30fps Stream2: D1, VGA, CIF @25/30fps Stream3: VGA, CIF, QVGA @25/30fps"
Bit Rate Control	CBR / VBR	CBR / VBR
Bit Rate	Stream1: 200 kbps to 12 Mbps Stream2: 100 kbps to 6 Mbps Stream3: 100 kbps to 3 Mbps	Stream1: 200 kbps to 12 Mbps Stream2: 100 kbps to 6 Mbps Stream3: 100 kbps to 3 Mbps
Smart Encoder	Supported	
Region of Interest (ROI)	Supported	
Audio Compression	G.711 A-law, G.711 μ-law, RAW_PCM	G.711 A-law, G.711 μ-law, RAW_PCM
Audio Bit Rate	64 kbps (G.711), 128 kbps (RAW_PCM)	64 kbps (G.711), 128 kbps (RAW_PCM)
IMAGE		
Image Adjustment	Brightness, Sharpness, Contrast and Saturation adjustable	
Scene Mode	Indoor, Outdoor, Mirror	
Exposure Mode	Auto, Manual, Shutter Priority	
White Balance	Auto, Tungsten, Fluorescent, Daylight, Shade, Manual	
Day/Night Mode	Auto, Day, Night, Timer	
Noise Reduction	2D/3D DNR	
Image Enhancement	HLC, BLC, Defog, WDR Multi-Exposure 2 Fields, Anti-shake	
Privacy Mask	Up to 40 zones with configurable mask color	
EVENTS		
Alarms	IVS, Motion Detection, Alarm Input, Network Alarm, Day/Night, Disk Alarm, Defocus Alarm, Audio Detection	
Event Actions	Alarm Recording, Alarm Output, FTP Upload, SMTP Upload, Audible Alarm Output, White Light Alarm Output	
NETWORK		
Protocols	IPv4/IPv6, HTTP/HTTPS, DNS, DDNS, DHCP, PPPoE, RTSP/RTCP/RTP, TCP/UDP, NTP, ARP, UPnP, FTP, SMTP, QoS, ICMP, IGMP, 802.1X, SNMP, Multicast	
Interoperability	ONVIF (Profile S/T/G/M), SDK, CGI	
Max. Simultaneous Streams	10 Channels	
Users / User Levels	32+ Users, 3 Levels: Administrator, Operator, Viewer	
Security	IP Address Filtering, HTTPS, Illegal Login Lockout, IEEE 802.1X	
Web Browser	IE11, Chrome, Firefox, Microsoft Edge	
Edge Recording	Synchronization of captures/recordings after a communication interruption.	

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INTERFACE	
Network Interface	1 × RJ45 10/100Base-T Ethernet Port
Microphone	Supported
Speaker	Supported
Audio Interface	1 Audio Input, 1 Audio Output
Alarm Interface	2 Alarm Inputs, 2 Alarm Outputs
SD Card	Built-in, up to 1 TB
Storage	Integrated 64GB Class 10 TLC NAND microSD card
Reset Button	Supported
Tracking:	Targets detected by panorama and automatic rounding between multiple objects.
GENERAL	
Languages	English, Polish, Italian, Portuguese, Spanish, Russian, French, Czech, Hungarian, Japanese, Korean (Default: English)
Mounting	Approved pole bracket
Power Supply	24 VAC / 36 VDC / PoE+ (802.3at), Default: 36 VDC
Power Consumption	Basic: 9.5 W, Max. 40 W (illuminator + speaker + PTZ function + glass defogger)
Operating Temperature	-40°C to +70°C
Operating Humidity	Less than 95% RH
Protection	IP67, IK10
Certifications	CE, FCC, RoHS, NDA
Housing	Metal
Dimensions	176.0 × 211.3 × 303.9 mm (6.93 × 8.32 × 11.96 in.)
Weight	Approx. 4.5 kg
Warranty	3 years*

DIMENSIONS (mm)

