



## PRO 9054IP-4MPX-4-IVS

Professional 4MP Bullet Camera with IP67 Rating and Video Analytics

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

### Featured specifications

- 1/1.8" Progressive Scan CMOS sensor
- Maximum resolution of 4 MP (2688 × 1520) at 25/30 fps
- Supports face, person, and vehicle detection and capture
- Supports person and vehicle attribute detection
- Intelligent analytics: Intrusion detection; Line crossing; Loitering detection; Wrong-way detection; Illegal parking detection; Perimeter Protection; Smart motion detection; People counting; Human behavior analysis (running, falling, fighting)
- True WDR (140 dB), 3D DNR, ROI, HLC, BLC, Defog
- Built-in infrared LEDs and warm white LEDs with an illumination range of up to 50 m
- Built-in microphone and speaker, 1 audio input / 1 audio output, 1 alarm input / 1 alarm output
- Built-in microSD card slot (up to 1 TB)
- IP67 protection

#### CAMERA

|                             |                                                        |
|-----------------------------|--------------------------------------------------------|
| <b>Image Sensor</b>         | 1/1.8" Progressive Scan CMOS                           |
| <b>Resolution</b>           | 4 MP, 2688 (H) × 1520 (V)                              |
| <b>Electronic Shutter</b>   | 1 to 1/100,000 s                                       |
| <b>Minimum Illumination</b> | 0.0001 Lux @ (F1.0, AGC ON), 0 Lux with illuminator ON |
| <b>Day / Night</b>          | Automatic (ICR)                                        |

#### LENS

|                            |                     |
|----------------------------|---------------------|
| <b>Lens Type</b>           | Fixed Lens          |
| <b>Iris</b>                | Auto Iris           |
| <b>Focal Length</b>        | 4 mm                |
| <b>Aperture</b>            | F1.0                |
| <b>Field of View (FOV)</b> | H: 91.3° / V: 44.4° |

#### ILLUMINATION

|                              |                                                      |
|------------------------------|------------------------------------------------------|
| <b>Type</b>                  | Infrared + Warm White Light                          |
| <b>IR Wavelength</b>         | 850 nm                                               |
| <b>Illumination Distance</b> | Infrared: up to 50 m<br>Warm White Light: up to 50 m |
| <b>Control</b>               | IR Mode; White Light Mode; Smart Mode; Off           |

#### ANALYTICS

|                              |                                                                                                                                                                                                                                                                                                                                                                  |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Multi-Target AI</b>       | Supports face, person, and vehicle detection and capture.<br>Supports person and vehicle attribute detection.                                                                                                                                                                                                                                                    |
| <b>Attribute Extraction</b>  | Human Attributes: Gender, Age, Glasses, Hat, Bag, Upper clothing color, Upper clothing style, Lower clothing color, Lower clothing style, Reflective vest                                                                                                                                                                                                        |
| <b>Vehicle Attributes</b>    | Type; Color; Brand; Direction                                                                                                                                                                                                                                                                                                                                    |
| <b>Intelligent Analytics</b> | Intrusion detection (Area Entry and Area Exit); Smart Motion Detection; Single Line Crossing; Double Line Crossing; Loitering Detection; Wrong-Way Detection; Illegal Parking Detection; People Limit in Area; Perimeter Protection; Running Detection; Fall Detection; Fighting Detection; Combined Perimeter Protection Alarms; Advanced False Alarm Reduction |
| <b>People Counting</b>       | Supported                                                                                                                                                                                                                                                                                                                                                        |

#### VIDEO & AUDIO

|                          |                                                                                                                                |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| <b>Number of Streams</b> | 3 Streams (H.264 / H.265 / MJPEG)                                                                                              |
| <b>Resolution</b>        | Stream 1: 2688 × 1520, 2560 × 1440, 2304 × 1296, 1920 × 1080, 1280 × 720<br>Stream 2: D1, VGA, CIF<br>Stream 3: VGA, CIF, QVGA |
| <b>Frame Rate</b>        | Up to 25/30 fps                                                                                                                |



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|                                     |                                                                                                                                                                 |
|-------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Bit Rate Control</b>             | CBR / VBR                                                                                                                                                       |
| <b>Bit Rate</b>                     | Stream 1: 30 Kbps to 16 Mbps                                                                                                                                    |
|                                     | Stream 2: 100 Kbps to 6 Mbps                                                                                                                                    |
|                                     | Stream 3: 100 Kbps to 3 Mps                                                                                                                                     |
| <b>Smart Encoding</b>               | Supported                                                                                                                                                       |
| <b>Region of Interest (ROI)</b>     | 8 Regions                                                                                                                                                       |
| <b>Audio Compression</b>            | G.711 A-law, G.711 $\mu$ -law, RAW_PCM                                                                                                                          |
| <b>Audio Bit Rate</b>               | 64 Kbps (G.711), 128 Kbps (RAW_PCM)                                                                                                                             |
| <b>IMAGE</b>                        |                                                                                                                                                                 |
| <b>Image Adjustments</b>            | Brightness, Sharpness, Contrast, saturation                                                                                                                     |
| <b>Scene Modes</b>                  | Indoor, Outdoor, Mirror, Corridor                                                                                                                               |
| <b>Exposure Modes</b>               | Automatic, Manual, Shutter Priority                                                                                                                             |
| <b>White Balance</b>                | Automatic, Tungsten, Fluorescent, Daylight, Shadow, Manual                                                                                                      |
| <b>Day/Night Settings</b>           | Automatic, Day Mode, Night Mode, Timer                                                                                                                          |
| <b>Noise Reduction</b>              | 2D/3D DNR (Spatial/Temporal)                                                                                                                                    |
| <b>Image Enhancement</b>            | WDR, HLC, BLC, Defog                                                                                                                                            |
| <b>Wide Dynamic Range</b>           | Multi-Exposure WDR, 2 Fields (140 dB)                                                                                                                           |
| <b>Privacy Mask</b>                 | 8 Pixelated Areas                                                                                                                                               |
| <b>EVENTS</b>                       |                                                                                                                                                                 |
| <b>Alarm Triggers</b>               | IVS, Motion Detection, Alarm Input, Network Alarm, Storage Alarm, Day/Night Switching Alarm, Abnormal Sound Detection                                           |
| <b>Event Actions</b>                | Alarm Recording, FTP Upload, SMTP Upload, Alarm Output, Snapshot, Audible Alarm Output, White Light Alarm Output                                                |
| <b>NETWORK</b>                      |                                                                                                                                                                 |
| <b>Protocols</b>                    | 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                      |
| <b>Maximum Simultaneous Streams</b> | 10 Channels                                                                                                                                                     |
| <b>User / Host Levels</b>           | More than 32 users; Three user levels: Administrator, Operator, Media User                                                                                      |
| <b>Web Browser Support</b>          | IE11, Chrome, Firefox, Microsoft Edge                                                                                                                           |
| <b>SECURITY</b>                     |                                                                                                                                                                 |
| <b>Operating System / Firmware</b>  | Encrypted Firmware, Secure Boot; Signed Firmware                                                                                                                |
| <b>User Authentication</b>          | Digest Authentication; Brute Force Attack Prevention                                                                                                            |
| <b>Network Authentication</b>       | IEEE 802.1X (EAP-TLS)                                                                                                                                           |
| <b>Secure Communication</b>         | HTTPS, WSS (WebSocket Secure), SRTP                                                                                                                             |
| <b>Access Control</b>               | IP-Based Access Control, Automatic Logout                                                                                                                       |
| <b>Data Protection</b>              | Encrypted Credentials                                                                                                                                           |
| <b>Audit</b>                        | Access Management / System / Event Logs                                                                                                                         |
| <b>Secure Element</b>               | Secure Storage SD Partition Encryption (AES-256)                                                                                                                |
| <b>Supply Chain Security</b>        | SBOM                                                                                                                                                            |
| <b>INTERFACES</b>                   |                                                                                                                                                                 |
| <b>Network Interface</b>            | 1 x Ethernet (10/100 Base-T), RJ-45 Connector                                                                                                                   |
| <b>Microphone</b>                   | Built-in                                                                                                                                                        |
| <b>Speaker</b>                      | Built-in                                                                                                                                                        |
| <b>Audio Interface</b>              | 1 x Audio Input; 1 x Audio Output                                                                                                                               |
| <b>Alarm Interface</b>              | 1 x Alarm Input; 1 x Alarm Output                                                                                                                               |
| <b>SD Card Slot</b>                 | Built-in microSD Card Slot, up to 1 TB                                                                                                                          |
| <b>Reset Button</b>                 | Supported                                                                                                                                                       |
| <b>Edge Recording</b>               | Synchronization of snapshots and recordings after communication interruption                                                                                    |
| <b>Storage</b>                      | Built-in 32 GB Class 10 TLC NAND microSD Card                                                                                                                   |
| <b>GENERAL</b>                      |                                                                                                                                                                 |
| <b>Languages</b>                    | English, Chinese, Traditional Chinese, Polish, Italian, Portuguese, Spanish, Russian, French, Czech, Hungarian, Japanese, and Korean. Default Language: English |
| <b>Power Supply</b>                 | 12 VDC (-15% to +25%) / PoE (IEEE 802.3af)                                                                                                                      |
| <b>Power Consumption</b>            | Typical: 2.2 W (12 VDC); Approx. 2.8 W (PoE)<br>Max. (IR/Warm Light + Speaker Enabled): 9.5 W (12 VDC);<br>Approx. 11.9 W (PoE)                                 |

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|                              |                                                                                  |
|------------------------------|----------------------------------------------------------------------------------|
| <b>Operating Temperature</b> | -30°C to 60°C (-22°F to 140°F)                                                   |
| <b>Operating Humidity</b>    | Less than 95% RH                                                                 |
| <b>Protection</b>            | IP67 (Waterproof and Dustproof)                                                  |
| <b>Certifications</b>        | CE-EMC                                                                           |
|                              | EN 55032, EN IEC 61000-6-4, EN IEC 61000-3-2, EN 61000-3-3; EN 55035; EN 50130-4 |
|                              | FCC 47 CFR Part 15 Subpart B                                                     |
| <b>Material</b>              | Aluminum Alloy                                                                   |
| <b>Dimensions</b>            | 188 × 80 × 77 mm (7.40 × 3.15 × 3.03 in)                                         |
| <b>Net Weight</b>            | Approx. 0.59 kg (1.3 lb)                                                         |
| <b>DORI Distance</b>         | 75 m (Daytime)                                                                   |
|                              | 55 m (Nighttime)                                                                 |
| <b>Mounting</b>              | Pole Mount Bracket Supported                                                     |
| <b>Integration</b>           | RESTful API, ONVIF Profile S/T/G/M, SDK and CGI                                  |
| <b>Warranty</b>              | 3 Years*                                                                         |

\*as per <https://sieraelectronics.com/po/garantia>