



DataSheet

CAMERA

- **Image Sensor: 1/2.7" Progressive Scan CMOS**
 - **Shutter Speed: 1/3 to 1/10000s**
 - **Slow Shutter: Yes**
 - **Minimum Illumination: 0.005 Lux; 0 Lux with IR/White Light**
 - **Day/Night Mechanism: IR Cut Filter**
 - **Day/Night Switch: Unified / Scheduled / Auto**
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LENS

- **Type: Fixed Focal Lens**
- **Focal Length: 2.8 mm / 4 mm / 6 mm**
- **Aperture: F1.6**

Field of View

- **2.8 mm: Horizontal FOV: 109°, Vertical FOV: 57°, Diagonal FOV: 128°**
- **4 mm: Horizontal FOV: 90°, Vertical FOV: 48°, Diagonal FOV: 107°**
- **6 mm: Horizontal FOV: 56°, Vertical FOV: 30.5°, Diagonal FOV: 66°**
- **Lens Mount: M12*P 0.5**

DORI Distance

- **2.8 mm: Detect: 63 m | Observe: 26 m | Recognize: 12 m | Identify: 6 m**
- **4 mm: Detect: 80 m | Observe: 33 m | Recognize: 16 m | Identify: 8 m**

- **6 mm: Detect: 120 m | Observe: 50 m | Recognize: 24 m | Identify: 12 m**

Manual Angle Adjustment

- **Pan: 0° to 360°**
 - **Tilt: 0° to 90°**
 - **Rotation: 0° to 360°**
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ILLUMINATION

- **IR LEDs: 2 units | Range: 30 m | Wavelength: 850 nm**
 - **White LEDs: 2 units | Range: 30 m**
 - **Illuminator Control: Auto / Scheduled / Always On / Always Off**
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VIDEO

- **Max. Resolution: 2880 x 1620**

Main Stream

- **Frame Rate:**
 - **50 Hz: 1, 5, 10, 15, 20, 25 fps**
 - **60 Hz: 1, 5, 10, 15, 20, 25, 30 fps**
- **Supported Resolutions: 2880x1620, 2688x1520, 2304x1296, 2048x1280, 1920x1080, 1280x720**

Note: When image rotation is set to 90° or 270°, the maximum frame rate is limited to 20 fps.

Sub-Stream

- **Frame Rate:**
 - 50 Hz: 1, 5, 10, 15, 20, 25 fps
 - 60 Hz: 1, 5, 10, 15, 20, 25, 30 fps
- **Supported Resolutions: 704x576, 640x480, 352x288, 320x240**

Note: Same rotation frame rate limitation applies.

- **Bitrate Control: CBR, VBR**
 - **Video Compression: H.265+/H.265/H.264+/H.264**
 - **Bitrate: Main: 256 Kbps to 6 Mbps | Substream: 64 Kbps to 512 Kbps**
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IMAGE

- **Image Settings:** Mirror, brightness, contrast, saturation, sharpness, exposure, WDR, white balance, IR overexposure prevention, HLC (client software adjustable)
- **Image Enhancements:** BLC, 3D DNR, HLC, SmartIR
- **Wide Dynamic Range: 120 dB**
(*Note: When People & Vehicle Analytics is enabled, only DWDR is supported.*)
- **SNR: ≥ 52 dB**
- **Image Parameter Switch: Yes**
- **Privacy Masking: Up to 4 zones**
- **ROI: 1 Region**
- **OSD: Yes**

AUDIO

- **Audio Communication: Two-way audio**
- **Audio Input: Yes**
- **Audio Output: Yes**
- **Audio Compression: Yes (G.711 alau, 64 Kbps)**
- **Environmental Noise Filtering: Yes**
- **Audio Sampling Rate: 8KHz**

NETWORK

- **Protocols: TCP/IP, UDP, ICMP, HTTP, HTTPS, DHCP, DNS, RTSP, NTP, UPnP, SSL/TLS**
- **ONVIF: Yes (Profile S)**
- **Simultaneous Live View: 3 main streams and 3 sub-streams**
- **Client: VIGI App, VIGI Security Manager**
- **Web Browser Support: Chrome, Firefox, Safari, Edge (latest versions)**
- **Security: Password protection, HTTPS encryption, IP address filtering, Digest authentication**

ALARM AND EVENT MANAGEMENT

Smart Events

- **Human and vehicle classification**
- **Area intrusion detection**
- **Line crossing detection**
- **Person detection**
- **Vehicle detection**
- **Region entrance and exit detection**
- **Abandoned and missing object detection**
- **Scene change detection**

Basic Events

- **Motion detection**
- **Video tampering**
- **Exceptions (illegal login)**
- **Alarm Linkage: SD card recording, push notifications, audible alerts, flashing white light**

DEEP LEARNING FUNCTION

- **People & Vehicle Analytics: Search and filter by multiple attributes for faster, easier post-event analysis**
- **Face Capture: Not supported**
- **Face Comparison: Not supported**

INTERFACES

- **Network: 1 RJ45 10/100 Mbps Ethernet port, PoE**
 - **Reset Button: Yes**
 - **Onboard Storage: Built-in MicroSD slot, supports up to 256 GB**
 - **Built-in Microphone: Yes, captures within a 5 m (16.4 ft) radius**
 - **Built-in Speaker: Yes**
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GENERAL

- **Operating Temperature: -30 to 60 °C**
- **Storage Temperature: -40 to 60 °C**
- **Operating Humidity: 95% or less (non-condensing)**
- **Storage Humidity: 95% or less (non-condensing)**
- **Material: Plastic**
- **Power Supply: 12 V DC \pm 5 % (max. 9 W) / PoE (802.3af/at, max. 10.5 W)**
- **Protection: IP67**
- **Product Dimensions (L x W x H): 78.42 × 186.88 × 71.55 mm**
- **Certifications: CE, NTRA, VCCI, KC, BSMI, FCC, IC**
- **Package Contents: VIGI Network Camera, Quick Start Guide, Waterproof Cable Accessories, Mounting Accessories**