



# 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**

## **LENS**

**Type: Fixed focal lens Focal Length: 2.8 / 4 mm Aperture:**

- **2.8 mm: F1.6**
- **4 mm: F1.6 Field of View:**
- **2.8 mm: H: 109°, V: 57°, D: 128°**
- **4 mm: H: 90°, V: 48°, D: 107° Lens Mount: M12\*P 0.5 DORI Distance:**
- **2.8 mm:**
  - **Detect: 64 m (209 ft)**
  - **Observe: 27 m (87 ft)**
  - **Recognize: 13 m (42 ft)**
  - **Identify: 6 m (21 ft)**
- **4 mm:**
  - **Detect: 80 m (262 ft)**
  - **Observe: 33 m (109 ft)**
  - **Recognize: 16 m (52 ft)**
  - **Identify: 8 m (26 ft) Manual Angle Adjustment Range:**
- **Pan: 0° to 360°, Tilt: 0° to 85°**

## **ILLUMINATION**

### **IR LED:**

- **Quantity: 2**
- **Range: 30 m**
- **Wavelength: 850 nm White LED:**
- **Quantity: 2**
- **Range: 30 m Illuminator Control: Auto / Scheduled / Always On / Always Off**

## **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 Resolutions Supported:**

- 2880x1620, 2688x1520, 2304x1296, 2048x1280, 1920x1080, 1280x720  
Note: Image rotation at 90° or 270° limits frame rate to max 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 Resolutions Supported:
- 704x576, 640x480, 352x288, 320x240 Note: Image rotation at 90° or 270° limits frame rate to max 20 fps Bitrate Control: CBR, VBR Video Compression:
- Main: H.265+/H.265/H.264+/H.264
- Sub: H.265/H.264 H.264 Profile: Main / High H.264+: Main Stream Supported H.265 Profile: Main H.265+: Main Stream Supported Video Bitrate:
- Main: 256 Kbps to 6 Mbps
- Sub: 64 Kbps to 512 Kbps

## IMAGE

Image Settings: Mirror, brightness, contrast, saturation, sharpness, exposure, WDR, white balance, IR overexposure prevention, HLC (via client software), rotation (90°/270°) Image Enhancement: BLC / 3D DNR / HLC / SmartIR Wide Dynamic Range: 120 dB Note: Only DWDR supported when People & Vehicle Analytics is enabled SNR: ≥ 52 dB Image Parameter Switch: Yes Privacy Mask: Up to 4 masks ROI: 1 Region OSD Overlay: Yes

## AUDIO

Audio Communication: Two-way audio Audio Input: Yes Audio Output: Yes Audio Compression: Yes Audio Sampling Rate: 8 KHz Ambient Noise Filtering: Yes Audio Bitrate: 64 Kbps (G.711 alaw)

## NETWORK

Protocols: TCP/IP, UDP, ICMP, HTTP, HTTPS, DHCP, DNS, RTSP, NTP, UPnP UDP, SSL/TLS ONVIF: Yes API: Open Network Video Interface (Profile S) Simultaneous Live View: 3 main + 3 sub streams Client Software: VIGI App, VIGI Security Manager, Web UI Web Browsers Supported: Google Chrome 57+, Firefox 52+, Safari 11+, Microsoft Edge 91+ Cloud: Yes Security: Password protection, HTTPS encryption, IP address filtering, digest authentication

## ALARM & EVENT MANAGEMENT

Smart Events: Human and vehicle classification, intrusion detection, line crossing, human detection, vehicle detection, region entrance/exit, abandoned/removed object, loitering detection Basic Events: Motion detection, video tampering, exception (illegal login), scene change detection

**Alarm Linkage: Memory card recording, message sending, audio warning, flashing white light Linkage Method: N/A Alarm Notification: Push message**

## **DEEP LEARNING FUNCTION**

**People & Vehicle Analytics: Search and filter people or vehicles of interest based on various attributes to accelerate post-event investigation Face Capture: N/A Face Comparison: N/A**

## **INTERFACES**

**Network Interface: 1 RJ45 10/100M Self-adaptive Ethernet port, PoE supported Alarm: N/A Reset Button: Yes Power: DC power input port Onboard Storage: Built-in MicroSD card slot, up to 256 GB Built-in Microphone: Yes; records within 5 m (16.4 ft) radius Built-in Speaker: Yes Audio Interface: N/A**

## **GENERAL**

**Operating Temperature: -30 to 60 °C Storage Temperature: -40 to 60 °C Operating Humidity: ≤95% (non-condensing) Storage Humidity: ≤95% (non-condensing) Package Contents:**

- **VIGI Network Camera**
- **Quick Start Guide**
- **Mounting Accessories Material: Plastic Net Weight: 0.24 kg Gross Weight: 0.4 kg Power Supply:**
- **12 VDC ± 5% coaxial power plug, max 9 W, 5.5 mm**
- **PoE: 802.3af/at, Class 0, Max. 10.5 W Protection: N/A Product Dimensions (L x W x H): Φ123 x 84 mm Certifications: CE, NTRA, VCCI, KC, BSMI, FCC, IC**