



# DataSheet

## **CAMERA**

**Image Sensor:**

**1/1.8" Progressive Scan CMOS**

**Shutter Speed:**

**1/3 to 1/10000s**

**Slow Shutter:**

**Yes**

**Minimum Illumination:**

**0.0005 Lux; 0 Lux with white light**

**Day/Night Mechanism:**

**ICR**

**Day/Night Switch:**

**Unified / Scheduled / Auto**

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## **LENS**

**Type:**

**Fixed focal lens**

**Focal Length:**

**4 mm**

**Aperture:**

**F1.0**

**Field of View (FOV):**

**4 mm: Horizontal: 95.2° / Vertical: 50.6° / Diagonal: 114.7°**

**Lens Mount:**

**M16\*P 0.5**

**DORI Distance (4 mm):**

- **Detect: 70 m (231 ft)**
- **Observe: 29 m (96 ft)**

- Recognize: 14 m (46 ft)
- Identify: 7 m (23 ft)

**Angle Adjustment (Manual):**

- Pan: -90° to 90°
  - Tilt: -90° to 90°
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## **ILLUMINATORS**

**IR LED:**

N/A

**White LED:**

Quantity: 4

Range: 30 m

**Illuminator On/Off Control:**

Auto / Scheduled / Always On / Always Off

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## **VIDEO**

**Max. Resolution:**

2688 x 1520

**Main Stream:**

**Frame Rate:**

- 50 Hz: 1 fps, 5 fps, 10 fps, 15 fps, 20 fps, 25 fps
- 60 Hz: 1 fps, 5 fps, 10 fps, 15 fps, 20 fps, 25 fps, 30 fps

**Supported Resolutions:**

- 2688 x 1520

- 2560 x 1440
- 2304 x 1296
- 2048 x 1280
- 1920 x 1080
- 1280 x 720

***Note: If image rotation is set to 90° or 270°, frame rate only supports up to 20 fps.***

**Sub Stream:**

**Frame Rate:**

- 50 Hz: 1 fps, 5 fps, 10 fps, 15 fps, 20 fps, 25 fps
- 60 Hz: 1 fps, 5 fps, 10 fps, 15 fps, 20 fps, 25 fps, 30 fps

**Supported Resolutions:**

- 705 x 576
- 640 x 480
- 352 x 288
- 320 x 240

***Note: If image rotation is set to 90° or 270°, frame rate only supports up to 20 fps.***

**Third Stream:**

- Frame Rate: 15 fps
- Resolution: 1280 x 720

**Bitrate Control:**

**CBR, VBR**

**Video Compression:****Main stream: H.265+/H.265/H.264+/H.264****Sub stream: H.265/H.264****H.264 Type:****Main Profile / High Profile****H.264+:****Main stream supported****H.265 Type:****Main Profile****H.265+:****Main stream supported****Video Bitrate:****Main stream: 256 Kbps to 6 Mbps****Sub stream: 64 Kbps to 512 Kbps**

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**IMAGE****Image Settings:****Mirror, brightness, contrast, saturation, sharpness, exposure, WDR, white balance, software-adjustable HLC via client, rotation (90°/270°)****Image Enhancement:****BLC / 3D DNR / HLC****Wide Dynamic Range:****120 dB****SNR:****≥ 52 dB****Image Parameter Switch:****Yes****Privacy Mask:****Up to 4 masks****ROI:****1 Region**

**OSD Overlay:**

**Yes**

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## **AUDIO**

**Audio Communication:**

**Two-way audio**

**Audio Input:**

**Yes**

**Audio Output:**

**Yes**

**Audio Compression:**

**Yes**

**Audio Sampling Rate:**

**8 KHz**

**Environmental Noise Filtering:**

**Yes**

**Audio Bitrate:**

**64 Kbps (G.711 alaw)**

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## **NETWORK**

**Protocols:**

**TCP/IP, UDP, ICMP, HTTP, HTTPS, DHCP, DNS, RTSP, NTP, UPnP, SSL/TLS**

**ONVIF:**

**Yes**

**API:**

**Open Network Video Interface (Profile S)**

**Simultaneous Live View:**

**3 Main streams and 3 Sub streams**

**Client:**

**VIGI App, VIGI Security Manager, Web User Interface**

**Web Browser Compatibility:**

- **Google Chrome® 57 and later**
- **Firefox® 52 and later**
- **Safari® 11 and later**
- **Microsoft® Edge 91 and later**

**Cloud:**

**Yes**

**Security:**

**Password protection, HTTPS encryption, IP address filtering, Digest authentication**

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## **ALARM & EVENT MANAGEMENT**

**Smart Events:**

**Person and vehicle classification, area intrusion detection, line crossing detection, person detection, vehicle detection, region entrance detection, region exit detection, abandoned object detection, object removal detection, loitering detection, scene change detection**

**Basic Events:**

**Motion detection, video tampering detection, exception (illegal login), scene change detection**

**Alarm Linkage:**

**Video recording to memory card, push notifications, audible warning, white light flashing**

**Linkage Method:**

**N/A**

**Output Notification:**

**Push message**

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## **DEEP LEARNING FUNCTION**

### **Person & Vehicle Analytics:**

Search and filter people or vehicles of interest based on multiple attributes, enabling faster and easier post-event searching.

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## **INTERFACES**

### **Network Interface:**

1 RJ45 10/100M Adaptive Ethernet Port, PoE

### **Alarm:**

N/A

### **Reset Button:**

Yes

### **Power:**

DC Power Port

### **Onboard Storage:**

Built-in memory card slot, supports MicroSD card up to 256 GB

### **Built-in Microphone:**

Yes; records everything within a 5 m (16.4 ft) radius of the camera

### **Built-in Speaker:**

Yes

### **Audio:**

N/A

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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)**

**Package Contents:**

- **VIGI Network Camera**
- **Quick Start Guide**
- **Waterproof Cable Accessories**
- **Mounting Accessories**

**Material:**

- **Front Cover: Metal**
- **Rear Cover: Plastic**

**Power Supply:**

- **12 V DC  $\pm$  5 %, Max. 10.1 W, 5.5 mm coaxial power plug**
- **PoE: 802.3af/at, Class 0, Max. 11.5 W**

**Protection:**

**IP67**

**Product Dimensions (L x W x H):**

**102 × 236 × 99 mm**

**Certifications:**

**CE, NTRA, VCCI, KC, BSMI, FCC, IC**