



DataSheet

CAMERA

- **Image Sensor: 1/3" Progressive Scan CMOS**
- **Shutter Speed: 1/3 to 1/10000 s**
- **Slow Shutter: Yes**
- **Aperture: 2.8 mm: F1.6; 4 mm: F1.6**
- **Lens: 2.8 mm/ 4 mm**
- **Lens Mount: M12**
- **Minimum Illumination: Color: 0.005 Lux; 0 Lux with white light/IR**
- **Day/Night Mechanism: IR Cut Filter**
- **Day/Night Switch: Unified/ Scheduled/ Auto**
- **Digital Noise Reduction: 3D DNR**
- **WDR: DWDR**
- **Weatherproof Rating: IP67**
- **Pan/Tilt Range: Pan: 0° to 360°, Tilt: 0° to 85°, Rotate: 0° to 360°**
- **Angle of View:**
 - **2.8 mm:**
 - **Horizontal FOV: 95.7°**
 - **Vertical FOV: 51.7°**
 - **Diagonal FOV: 113.0°**
 - **4 mm:**
 - **Horizontal FOV: 79.7°**
 - **Vertical FOV: 42.9°**
 - **Diagonal FOV: 93.9°**

LENS

- **Type: Fixed Focal Lens**
- **Focal Length: 2.8 mm/4 mm**
- **Aperture: 2.8 mm: F1.6; 4 mm: F1.6**
- **FOV:**
 - **2.8 mm:**
 - **Horizontal FOV: 95.7°**
 - **Vertical FOV: 51.7°**
 - **Diagonal FOV: 113.0°**
 - **4 mm:**
 - **Horizontal FOV: 79.7°**
 - **Vertical FOV: 42.9°**
 - **Diagonal FOV: 93.9°**
- **Lens Mount: M12**
- **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)
- Angle Adjustment (Manual) Range: Pan: 0° to 355°; Tilt: 0° to 75°

ILLUMINATOR

- IR LED:
 - Quantity: 1
 - Range: 30m
 - Wavelength: 850nm
- White LED:
 - Quantity: 1
 - Range: 30m
- Illuminator On/Off Control: Auto/Scheduled/Always on/Always off

VIDEO

- Max. Resolution: 2560 × 1440 (4MP)
- Main Stream:
 - Frame Rate:
 - 50Hz: 1fps, 5fps, 10fps, 15fps, 20fps, 25fps
 - 60Hz: 1fps, 5fps, 10fps, 15fps, 20fps, 25fps, 30fps
 - Resolution: 2560x1440, 2304x1296, 2048x1280, 1920x1080, 1280x720
 - Note: If the image rotation is set to 90° or 270°, the frame rate only supports up to 20fps.
- Sub-Stream:
 - Frame Rate:
 - 50Hz: 1fps, 5fps, 10fps, 15fps, 20fps, 25fps
 - 60Hz: 1fps, 5fps, 10fps, 15fps, 20fps, 25fps, 30fps
 - Resolution: 640x480, 352x288, 320x240
 - Note: If the image rotation is set to 90° or 270°, the frame rate only supports up to 20fps.
- Bit Rate 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 Bit Rate:**
 - **Main Stream: 256 Kbps to 4 Mbps**
 - **Sub-Stream: 64 Kbps to 512 Kbps**

IMAGE

- **Image Settings: Mirror, Brightness, Contrast, Saturation, Sharpness, Exposure, WDR, White Balance, Prevent Overexposure to Infrared Light, HLC Adjustable by Client Software, Rotation (90°/270°)**
- **Image Enhancement: BLC/3D DNR/HLC/SmartIR**
- **Wide Dynamic Range: DWDR**
- **SNR: ≥ 52 dB**
- **Image Parameters Switch: Yes**
- **Privacy Mask: Up to 4 Masks**
- **ROI: 1 Region**
- **OSD Setting: Yes**

AUDIO

- **Audio Communication: N/A (Note: Original text states N/A, but 'Built-in Microphone: Yes' implies one-way audio capture).**
- **Audio Input: Yes (Implied from microphone)**
- **Audio Output: N/A**
- **Audio Compression: Yes**
- **Audio Sampling Rate: 8KHz**
- **Environment Noise Filtering: Yes**
- **Audio Bit Rate: 64 Kbps (G.711 alaw)**

NETWORK

- **Protocol: TCP/IP, UDP, ICMP, HTTP, HTTPS, DHCP, DNS, RTSP, NTP, UPnP UDP, SSL/TLS**
- **ONVIF: Yes**
- **API: ONVIF**
- **Simultaneous Live View: 3 Main Streams and 3 Sub-Streams**
- **Client: VIGI App, VIGI Security Manager, VIGI NVR, Web**
- **Web Browser: Google Chrome® 57 and above, Firefox® 52 and above, Safari® 11 and above, Microsoft® Edge 91 and above**
- **Cloud: Yes**
- **Security: Password Protection, HTTPS Encryption, IP Address Filter, Digest Authentication**

ALARM & EVENT MANAGEMENT

- **Smart Event:** Human & Vehicle Classification, Area Intrusion Detection, Line-Crossing Detection, People Detection, Vehicle Detection, Region Entering Detection, Region Exiting Detection, Object Abandoned Detection, Object Removal Detection
- **Basic Event:** Motion Detection, Video Tampering Detection, Exception (Illegal Login)
- **Alarm Linkage:** White Light Flashing, Message Push
- **Linkage Method:** N/A
- **Output Notification:** Message Push

INTERFACES

- **Network Interface:** 1 RJ45 10/100M Self-Adaptive Ethernet Port
- **Alarm:** N/A
- **Reset Button:** N/A
- **Power:** DC Power Port
- **Button:** - (Hyphen, likely indicating no dedicated button other than reset)
- **Video Output:** - (Hyphen, likely indicating no dedicated video output port)
- **On-board Storage:** Built-in Memory Card Slot, Supports MicroSD Card up to 256 GB
- **Built-in Microphone:** Yes
- **Built-in Speaker:** N/A
- **Audio:** N/A (likely refers to dedicated audio in/out ports, as microphone is built-in)

GENERAL

- **Operating Temperature:** -30°C to 60°C (-22°F to 140°F)
- **Storage Temperature:** -40°C to 60°C (-40°F to 140°F)
- **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
- **Dimensions (H x W x D):** 115 × 115 × 86 mm
- **Material:** Plastic
- **General Features:** Dual Streams, Mirror, Privacy Masks, Password Reset by Email, HTTP Listening
- **Net Weight:** 0.28 Kg
- **Gross Weight:** 0.46 Kg
- **Max. Power Consumption:** 12V DC: Max. 5.4 W; PoE Class 0
- **Power Supply:** 12 V DC ± 5%, 5.5 mm Coaxial Power Plug; PoE (802.3af/at, Class 0)
- **Vandal Resistant:** IK10

- **Protection: IP67, IK10**
- **Product Dimensions (L x W x H): 115 × 86 × 115 mm**
- **Certifications: CE/BSMI/VCCI/ONVIF**