



DataSheet

CAMERA

Image Sensor: 1/3" Progressive Scan CMOS

Shutter Speed: 1/3 to 1/10000s

Slow Shutter: Yes

Aperture:

- **2.8 mm: F1.6**
 - **4 mm: F1.6**
 - Lens: Fixed focal lens (2.8 mm / 4 mm)**
 - Lens Mount: M12**
 - Minimum Illumination: 0 lux with IR / white light**
 - Day/Night Mechanism: IR Cut Filter**
 - Day/Night Switch: Unified / Scheduled / Auto**
 - Digital Noise Reduction: 3D DNR**
 - WDR: DWDR**
 - Infrared Distance: 30 m**
 - Pan/Tilt Range: Pan: 0° to 360° / Tilt: 0° to 85° / Rotation: 0° to 360°**
 - Illumination Distance: 30 m (LED)**
 - Field of View:**
 - **2.8 mm: Horizontal: 102° / Vertical: 55° / Diagonal: 122°**
 - **4 mm: Horizontal: 79° / Vertical: 43° / Diagonal: 93°**
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LENS

Type: Fixed focal lens

Focal Length: 2.8 mm / 4 mm

Aperture:

- **2.8 mm: F1.6**
- **4 mm: F1.6**
 - Field of View:**
- **2.8 mm: Horizontal: 102° / Vertical: 55° / Diagonal: 122°**

- **4 mm: Horizontal: 79° / Vertical: 43° / Diagonal: 93°
Lens Mount: M12**

DORI Distance:

- **2.8 mm: Detect: 64 m / Observe: 27 m / Recognize: 13 m / Identify: 6 m**
- **4 mm: Detect: 80 m / Observe: 33 m / Recognize: 16 m / Identify: 8 m**

Manual Angle Adjustment:

- **Pan: 0° to 360°**
- **Tilt: 0° to 85°**
- **Rotation: 0° to 360°**

ILLUMINATORS

IR LEDs:

- **Quantity: 2**
- **Range: 30 m**
- **Wavelength: 850 nm**

White LEDs:

- **Quantity: 2**
- **Range: 30 m**

Illuminator On/Off Control: Unified / Scheduled / Auto

VIDEO

Maximum Resolution: 2560 x 1440

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**
- **Resolutions: 2560 x 1440, 2304 x 1296, 2048 x 1280, 1920 x 1080**

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**
- **Resolutions: 640 x 480, 352 x 288, 320 x 240**

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+: Supported on Main Stream

H.265 Type: Main Profile

H.265+: Supported on Main Stream

Video Bit Rate:

- **Main Stream: 256 Kbps to 4 Mbps**
 - **Sub-Stream: 64 Kbps to 512 Kbps**
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IMAGE

Image Settings: Mirror, Brightness, Contrast, Saturation, Sharpness, Exposure, WDR, White Balance, Prevent Infrared Overexposure, HLC adjustable via Client Software

Image Enhancement: BLC / 3D DNR / HLC / SmartIR

Wide Dynamic Range: DWDR

SNR: \geq 52 dB

Image Parameter Switching: Yes

Privacy Mask: Up to 4 Masks

Region of Interest (ROI): 1 Region

OSD Overlay: Yes

AUDIO

Audio Communication: Two-Way Audio

Audio Input: Yes (Built-in Microphone)

Audio Output: Yes (Built-in Speaker)

Audio Compression: Yes

Audio Sampling Rate: 8 KHz

Environmental Noise Filtering: Yes

Audio Bit Rate: 64 Kbps (G.711 alaw)

NETWORK

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

ONVIF: Yes

API: ONVIF

Simultaneous Live View: 3 Main Streams & 3 Sub-Streams

**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 AND EVENT MANAGEMENT

Smart Events: Area Intrusion Detection, Line-Crossing Detection, Human Detection

Basic Events: Motion Detection, Video Tampering, Exception (Illegal Login)

Alarm Linkage: Memory Card Recording, Push Notification, Audible Warning, Flashing White Light

Linkage Method: N/A

Output Notification: Push Notification

INTERFACES

Network Interface: 1 Adaptive RJ45 10/100M Ethernet Port

Audio Input: Built-in Microphone

Audio Output: Built-in Speaker

Alarm: N/A

Reset Button: Yes

Local Storage: Built-in MicroSD Card Slot (supports up to 256 GB)

Built-in Microphone: Yes; captures audio within a 5 m (16.4 ft) radius

Built-in Speaker: Yes

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

Dimensions: 123 x 123 x 84 mm

Material: Plastic

Net Weight: 0.25 kg

Gross Weight: 0.4 kg

Maximum Power Consumption: 12V DC: Max. 5.5 W / PoE Class 0

Power Supply: 12V DC ±5%, 5.5 mm coaxial power plug, PoE (802.3af/at, Class 0)

Protection: N/A

Product Dimensions: 123 x 83 x 123 mm

Certifications: CE, FCC, RCM, BSMI, VCCI, RoHS