



# DataSheet

## **CAMERA**

- **Image Sensor: 1/2.8" Progressive Scan CMOS**
  - **Shutter Speed: 1/3 to 1/10000 s**
  - **Slow Shutter: Yes**
  - **Aperture: F1.6**
  - **Lens: 2.8 mm**
  - **Lens Mount: M12**
  - **Minimum Illumination: Color: 0.1 Lux; 0 Lux with IR**
  - **Day/Night Mechanism: IR Cut Filter**
  - **Day/Night Switch: Unified / Scheduled / Auto**
  - **Digital Noise Reduction: 3D DNR**
  - **WDR: DWDR**
  - **Infrared Distance: 30 m**
  - **Field of View (FOV): Horizontal: 106.9°, Vertical: 56.9°, Diagonal: 127.9°**
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## **LENS**

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

- **2.8 mm: Horizontal FOV: 106.9°, Vertical FOV: 56.9°, Diagonal FOV: 127.9°**
  - **Lens Mount: M12**
  - **DORI Distance (2.8 mm):**
    - **Detect: 49 m (161 ft)**
    - **Observe: 20 m (67 ft)**
    - **Recognize: 10 m (32 ft)**
    - **Identify: 5 m (16 ft)**
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## **Angle Adjustment (Manual)**

- **Range:**
    - **Pan: -30° to 30°**
    - **Tilt: 0° to 85°**
    - **Rotate: -15° to 15°**
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## **ILLUMINATOR**

- **IR LED:**
  - **Quantity: 2**
  - **Range: 30 m**
  - **Wavelength: 850 nm**
- **White LED: N/A**

- Illuminator On/Off Control: Auto / Scheduled / Always on / Always off
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## VIDEO

- Max. Resolution: 2304 × 1296
  - Main Stream Frame Rate:
    - 50Hz: 1fps, 5fps, 10fps, 15fps, 20fps, 25fps
    - 60Hz: 1fps, 5fps, 10fps, 15fps, 20fps, 25fps, 30fps
  - Resolution: 2304x1296, 2048x1280, 1920x1080, 1280x720
  - Note: If image rotation is set to 90° or 270°, 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: 704x576, 640x480, 352x288, 320x240
  - Note: If image rotation is set to 90° or 270°, frame rate only supports up to 20fps.
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## Bit Rate Control

- CBR, VBR
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## Video Compression

- **Main Stream: H.265+ / H.265 / H.264+ / H.264**
  - **Sub-Stream: H.265 / H.264**
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## **H.264 Type**

- **Main Profile / High Profile**
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## **H.264+**

- **Main Stream Supported**
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## **H.265 Type**

- **Main Profile**
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## **H.265+**

- **Main Stream Supported**
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## **Video Bit Rate**

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

- **Settings:** Mirror, Brightness, Contrast, Saturation, Sharpness, Exposure, WDR, White Balance, HLC Adjustable by Client Software, Rotation (90°/270°)
  - **Enhancement:** BLC / 3D DNR / HLC / SmartIR
  - **Wide Dynamic Range:** DWDR
  - **SNR:**  $\geq 52$  dB
  - **Image Parameters Switch:** Yes
  - **Privacy Mask:** Up to 4 Masks
  - **ROI:** 1 Region
  - **OSD Setting:** 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
  - **Environment Noise Filtering:** Yes
  - **Audio Bit Rate:** 64 Kbps (G.711 alaw)
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## 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 and 3 sub streams
  - **Client:** VIGI App, VIGI Security Manager, VIGI NVR, Web
  - **Web Browser:** Open Network Video Interface (Profile S)
  - **Cloud:** Yes
  - **Security:** Password protection, HTTPS encryption, IP address filtering, Digest authentication
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## **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:** Memory Card Video Recording, Message Push, Audible Warning
  - **Linkage Method:** N/A
  - **Output Notification:** Message Push
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## **INTERFACES**

- **Network Interface: 1 self-adaptive RJ45 10/100M Ethernet port**
  - **Alarm: N/A**
  - **Reset Button: Yes**
  - **Power: DC Power Port**
  - **Button: Reset Button**
  - **Video Output: -**
  - **On-board Storage: MicroSD card slot, supports up to 256 GB**
  - **Built-in Microphone: Yes**
  - **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, Mounting Accessories, Mounting Template**
- **Dimensions (H x W x D): 114 × 114 × 58 mm**
- **Material: Plastic**
- **Net Weight: 0.23 kg**
- **Gross Weight: 0.41 kg**



- **Power Supply:** 12V DC  $\pm$  5%, 5.5 mm coaxial power plug; PoE (802.3af/at, class 0)
  - **Max Power Consumption:** 12V DC: Max 7.5 W; PoE Class 0
  - **Vandal Resistant:** IK08
  - **Protection:** IK08
  - **Product Dimensions (L x W x H):** 114 × 58 × 114 mm
  - **Certifications:** CE / VCCI / BSMI / KC / ONVIF
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## **SMART FEATURE-SET**

- **Smart Event:** Classification of people and vehicles, intrusion detection, line-crossing detection, people detection, vehicle detection, region entering/exiting detection, object abandoned/removed detection
- **Basic Event:** Motion detection, camera tampering detection, exception (illegal login)
- **Linkage Method:** Activation notification via ONVIF, HTTPS
- **Region of Interest:** 1 Region