



DataSheet

CAMERA

- **Image Sensor: 1/3" Progressive Scan CMOS**
- **Shutter Speed: 1/3 to 1/10000 s**
- **Slow Shutter: Yes**
- **Minimum Illumination: 0.005 Lux; 0 Lux with IR/white light**
- **Day/Night Mechanism: IR Cut Filter**
- **Day/Night Switch: Day/Night/Auto/Scheduled Switching**

LENS

- **Type: Fixed Focal Lens**
- **Focal Length: 4 mm**
- **Aperture: F1.6**
- **FOV: Horizontal FOV: 79°, Vertical FOV: 43°, Diagonal FOV: 93°**
- **Lens Mount: M12**
- **DORI Distance:**
 - **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: -90° to 90°, Tilt: -90° to 90°**

ILLUMINATOR

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

VIDEO

- **Max. Resolution: 2560 X 1440**

- **Main Stream:**
 - **Frame Rate:**
 - 50Hz: 1, 5, 10, 15, 20, 25 fps
 - 60 Hz: 1, 5, 10, 15, 20, 25, 30 fps
 - **Resolution:** 2560x1440, 2304x1296, 2048x1280, 1920x1080, 1280x720
 - **Note:** If image rotation is set to 90° or 270°, the frame rate only supports up to 20fps.
 - **Sub-Stream:**
 - **Frame Rate:**
 - 50Hz: 1, 5, 10, 15, 20, 25 fps
 - 60 Hz: 1, 5, 10, 15, 20, 25, 30 fps
 - **Resolution:** 640x480, 352x288, 320x240
 - **Note:** If 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
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IMAGE

- **Image Settings:** Mirror, Brightness, Contrast, Saturation, Sharpness, Exposure, WDR, White Balance 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
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AUDIO

- **Audio Communication: Two-Way Audio**
 - **Audio Input: Yes**
 - **Audio Output: Yes**
 - **Audio Compression: Yes**
 - **Audio Sampling Rate: 8KHz**
 - **Environment Noise Filtering: Yes**
 - **Audio Bit Rate: 64 Kbps (G.711 alaw)**
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NETWORK

- **Protocol: 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 Streams & 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 later versions**
 - **Cloud: Yes**
 - **Security: Password Protection, HTTPS Encryption, IP Address Filter, Digest Authentication**
 - **Network Storage: NAS (NFS, SMB/CIFS)**
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WIRELESS

- **Standards and Protocols: IEEE 802.11b/g/n**
- **WiFi Channels:**
 - **UN: 1-13**
 - **US: 1-11**
- **Frequency: 2.4 GHz**
- **Wireless Transmit Power: High**
- **Auto Wireless Channel: N/A**
- **Wireless Statistics: N/A**
- **Throughput Monitoring: N/A**
- **Radio Bandwidth:**
 - **Auto: N/A**
 - **20M: Yes**
 - **40M: Yes**
- **Wireless Rate:**

- 11Mbps (802.11b)
 - 54Mbps (802.11g)
 - 150Mbps (802.11n)
 - **Wireless Security: WPA/WPA2-PSK**
 - **Wireless Mode: AP, AP Client**
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ALARM & EVENT MANAGEMENT

- **Smart Event: Area Intrusion Detection, Line-Crossing Detection, Human Detection**
 - **Basic Event: Motion Detection, Video Tampering Detection, Exception (Illegal Login)**
 - **Alarm Linkage: Memory Card Video Recording, Message Push, Audible Warning, White Light Flashing**
 - **Linkage Method: N/A**
 - **Output Notification: Message Push**
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INTERFACES

- **Network Interface: 1 RJ45 10/100M Self-Adaptive Ethernet Port**
 - **Alarm: N/A**
 - **Reset Button: Yes**
 - **Power: DC Power Port**
 - **On-board Storage: Built-in Memory Card Slot, Supports MicroSD Card up to 256 GB**
 - **Built-in Microphone: Yes; Records everything within a 15 ft radius of the camera**
 - **Built-in Speaker: Yes**
 - **Audio: N/A (likely refers to dedicated audio in/out ports, as microphone/speaker are built-in)**
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GENERAL

- **Operating Temperature: -30–60 °C (-22°F to 140°F)**
- **Storage Temperature: -40–60 °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, Power Adapter, Mounting Accessories**

- **Material: Plastic**
- **Net Weight: 0.31 Kg**
- **Gross Weight: 0.6 Kg**
- **Max. Power Consumption:**
 - **Maximum: 8.5 W**
 - **Typical (Day Mode): 2.14 W**
 - **Typical (Night Mode with IR LED): 3.66 W**
 - **Typical (Night Mode with White LED): 3.84 W**
- **Power Supply: 12 V DC \pm 5%, 5.5 mm Coaxial Power Plug**
- **Antenna:**
 - **Quantity: 2**
 - **Type: 2.4GHz Welded Dipole Omni-Directional Antenna**
 - **Gain: 2.0dBi**
- **Protection: IP66**
- **Product Dimensions (L x W x H): 80× 173 × 71 mm (without antennas)**
- **Certifications: CE, EAC, UKCA, RCM, Triman, BSMI, VCCI, R-NZ**