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: 2.8 mm / 4 mm / 6 mm**
- **Aperture:**
    - **2.8 mm: F1.6**
    - **4 mm: F1.6**
    - **6 mm: F1.6**
- **Angle of View (FOV):**
    - **2.8 mm: H: 96.1°, V: 52°, D: 113.6°**
    - **4 mm: H: 80°, V: 43.2°, D: 94.2°**
    - **6 mm: H: 49.3°, V: 26.8°, D: 57.4°**
- **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**
    - **6 mm: Detect: 128 m, Observe: 53 m, Recognize: 26 m, Identify: 13 m**
- **Angle Adjustment (Manual): Pan: -90° to 90°, Tilt: -90° to 90°**

ILLUMINATOR

- **IR LED:**
    - **Quantity: 2**
    - **Range: 30 m**
    - **Wavelength: 850 nm**
- **White LED:**
    - **Quantity: 2**
    - **Range: 30 m**
- **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**
    - **60Hz: 1, 5, 10, 15, 20, 25, 30 fps**
  - **Resolutions: 2560x1440, 2304x1296, 2048x1280, 1920x1080, 1280x720**
- **Sub-Stream:**
  - **Frame Rate:**
    - **50Hz: 1, 5, 10, 15, 20, 25 fps**
    - **60Hz: 1, 5, 10, 15, 20, 25, 30 fps**
  - **Resolutions: 640x480, 352x288, 320x240**
- **Note: When image rotation is set to 90° or 270°, the maximum frame rate is 20 fps**
- **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 Profile: Main / High**
- **H.265 Profile: Main**
- **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, HLC, Rotation (90°/270°)**
- **Image Enhancement: BLC / 3D DNR / HLC / SmartIR**
- **WDR: DWDR**
- **SNR: ≥ 52 dB**
- **Image Parameters Switch: Yes**
- **Privacy Mask: Up to 4 Masks**
- **ROI: 1 Region**
- **OSD: Yes**

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)**

NETWORK

- **Protocols: TCP/IP, UDP, ICMP, HTTP, HTTPS, DHCP, DNS, RTSP, NTP, UPnP, UDP, SSL/TLS**
- **ONVIF: Yes**
- **API: ONVIF Profile S**
- **Simultaneous Live View: 3 Main Streams and 3 Sub-Streams**
- **Client: VIGI App, VIGI Security Manager, NVR, Web**
- **Supported Browsers: Chrome 57+, Firefox 52+, Safari 11+, Edge 91+**
- **Cloud: Yes**
- **Security: Password, HTTPS, IP Filter, Digest Authentication**
- **Network Storage: NAS (NFS, SMB/CIFS)**

ALARM & EVENTS

- **Smart Events: Human & Vehicle Classification, Intrusion Detection, Line-Crossing Detection, Region Entering/Exiting, Object Abandoned/Removed**
- **Basic Events: Motion Detection, Video Tampering, Illegal Login**
- **Alarm Linkage: Card Recording, Push Message, White Light Flashing, Audible Warning**
- **Linkage Method: N/A**
- **Output Notification: Push Message**

INTERFACES

- **Network Interface: RJ45 10/100M PoE**
- **Alarm: N/A**
- **Reset Button: Yes**
- **Power: DC Power Port**
- **Storage: MicroSD up to 256 GB**

- **Built-in Microphone: Yes (up to 15 feet)**
- **Built-in Speaker: Yes**
- **Additional Audio: N/A**

GENERAL

- **Operating Temperature: -30 to 60 °C**
- **Storage Temperature: -40 to 60 °C**
- **Humidity: ≤95% non-condensing**
- **Package Contents: VIGI Camera, Quick Guide, Mounting and Waterproofing Accessories**
- **Material: Plastic**
- **Weight: Net: 0.28 kg / Gross: 0.42 kg**
- **Power Consumption:**
  - **Maximum: 7 W**
  - **Typical Day: 1.5 W**
  - **Typical Night (IR): 3.4 W**
  - **Typical Night (White LED): 3.0 W**
- **Power Supply: 12V DC ±5%, 5.5 mm coaxial connector**
- **PoE: IEEE 802.3af/at (Class 0)**
- **Protection: IP67**
- **Dimensions: 78 × 174 × 70 mm**
- **Certifications: CE, NTRA, VCCI, KC, BSMI, FCC, IC**