



DataSheet

CAMERA

Image Sensor:

1/2.7" Progressive Scan CMOS

Shutter Speed:

1/3 to 1/10000s

Slow Shutter:

Yes

Minimum Illumination:

0.005 Lux; 0 Lux with IR/white light

Day/Night Mechanism:

IR Cut Filter

Day/Night Switch:

Unified / Scheduled / Auto

LENS

Type:

Fixed Focal Lens

Focal Length:

2.8 / 4 mm

Aperture:

2.8 mm: F1.6

4 mm: F1.6

Field of View (FOV):

- **2.8 mm: Horizontal 109°, Vertical 57°, Diagonal 128°**
- **4 mm: Horizontal 90°, Vertical 48°, Diagonal 107°**

Lens Mount:

M12*P 0.5

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):

Pan: 0° to 360°, Tilt: 0° to 85°

ILLUMINATOR

IR LED:

Quantity: 1

Range: 30 m

Wavelength: 850 nm

White LED:

Quantity: 1

Range: 30 m

Illuminator On/Off Control:

Auto / Scheduled / Always On / Always Off

VIDEO

Max Resolution:

2880 x 1620

Main Stream Frame Rate:

- **50 Hz: 1, 5, 10, 15, 20, 25 fps**
- **60 Hz: 1, 5, 10, 15, 20, 25, 30 fps**

Resolutions:

2880x1620, 2688x1520, 2304x1296, 2048x1280, 1920x1080, 1280x720

Note: If image rotation is set to 90° or 270°, frame rate supports up to 20 fps only.

Sub Stream Frame Rate:

- 50 Hz: 1, 5, 10, 15, 20, 25 fps
- 60 Hz: 1, 5, 10, 15, 20, 25, 30 fps

Resolutions:

704x576, 640x480, 352x288, 320x240

Note: If image rotation is set to 90° or 270°, frame rate supports up to 20 fps only.

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 Profile / High Profile

H.264+ Support:

Main Stream Supported

H.265 Profile:

Main Profile

H.265+ Support:

Main Stream Supported

Video Bit Rate:

Main Stream: 256 Kbps to 6 Mbps

Sub Stream: 64 Kbps to 512 Kbps

IMAGE

Image Settings:

Mirror, Brightness, Contrast, Saturation, Sharpness, Exposure, WDR, White Balance, Prevents IR Overexposure, HLC Adjustable by Client Software

Image Enhancement:

BLC / 3D DNR / HLC / SmartIR

Wide Dynamic Range:

120 dB

Note: When People & Vehicle Analytics is enabled, only DWDR is supported.

SNR:

≥ 52 dB

Image Parameters Switch:

Yes

Privacy Mask:

Up to 4 masks

ROI:

1 Region

OSD Setting:

Yes

AUDIO

Audio Communication:

N/A

Audio Input:

Yes

Audio Output:

N/A

Audio Compression:

Yes

Audio Sampling Rate:

8 KHz

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:

Open Network Video Interface (Profile S)

Simultaneous Live View:

3 Main Streams and 3 Sub Streams

Client:

VIGI App, VIGI Security Manager, Web UI

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 & EVENT MANAGEMENT

Smart Event:

People & Vehicle Classification, Area Intrusion Detection, Line Crossing Detection, People Detection, Vehicle Detection, Region Entering Detection, Region Exiting Detection, Object Abandoned Detection, Object Removal Detection, Loitering Detection, Scene Change Detection

Basic Event:

Motion Detection, Video Tampering Detection, Exception (Illegal Login), Scene Change Detection

Alarm Linkage:

Memory Card Video Recording, Message Push, White Light Flashing

Linkage Method:

N/A

Output Notification:
Message Push

DEEP LEARNING FUNCTION

People & Vehicle Analytics:
Search and filter people or vehicles of interest based on many attributes, making post-event search faster and easier.

Face Capture / Comparison:
N/A

INTERFACES

Network Interface:
1 Auto-adaptive RJ45 10/100M Ethernet Port, PoE

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 anything within 5 m (16.4 ft) radius of the camera

Built-in Speaker:
N/A

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, Waterproof Cable Accessories, Mounting Accessories

Material:

Plastic

Net Weight:

0.28 kg

Gross Weight:

0.47 kg

Power Supply:

12 V DC \pm 5%, max 7 W, 5.5 mm coaxial power plug

PoE: 802.3af/at, Class 0, max 8 W

Protection:

IP67, IK10

Product Dimensions (L x W x H):

Ø115 x 85.7 mm

Certifications:

CE, NTRA, VCCI, KC, BSMI, FCC, IC