

2MP Indoor Facial Recognition IP Camera with Audio and Alarm I/O

The 3xLOGIC VISIX Facial Recognition VX-FR-01 is a special purpose, low cost dual lens 2MP camera for instant face detection, identification, and notification of persons of interest (POI) as well as people counting. Using camera based analytics and 3xLOGIC's exclusive Facial Recognition application and mobile app, users can review captured facial images and choose persons of interest to place on a watch list. These POI's can then be securely communicated via standard AES encryption to the VIGIL TRENDS Cloud Portal and responsible parties can be notified locally on site via WiFi using the 3xLOGIC facial application (iOS or Android) or via the VIIGIL Server or Client for quick response.

When used in multiple locations the VX-FR-01 becomes a powerful tool in the detection of persons of interest. VIGIL TRENDS will automatically synchronize all sites with new POI's so that they have the latest images and watch lists can be easily managed through any web browser with internet access to add additional details or make adjustments.

VIGIL TRENDS features an easy to use advanced searching feature which can show events when a specific POI on the watch list was detected across multiple sites.



Key Features and Benefits

Lens	2x 4mm, 8mm, 12mm
Resolution (Megapixels)	2
1920 x 1080 Resolution	✓
H.264, H.265, MJPEG	✓
Infrared (Low Light/No Light)	✓
True Wide Dynamic Range	✓
Two-Way Audio	+
3 Year Warranty	✓

+ Optional Component

CAMERA

Image Sensor:	1/2.8 inch Progressive Scan CMOS x 2
Lens:	4.0mm, 6.0mm, 12.0mm x 2
Angle of View:	2-Axis Adjustment Tilt: -45° to 90° Rotate: 0° to 355°
FOV:	4mm: 86° (H), 46° (V), 103° (Diagonal) 8mm: 41° (H), 22° (V), 47° (Diagonal) 12mm: 25° (H), 14° (V), 29° (Diagonal)
Min. Illumination:	Color: 0.005 Lux @ (F1.2, AGC ON) Color: 0.0089 Lux @ (F1.6, AGC ON) B/W : 0 Lux (IR LED On)
IR Range:	Up to 10 meters
Day/Night:	IR Cut Filter with Auto Switch
Shutter Times:	1/25 s to 1/100,000 s
Wide Dynamic Range:	Yes, 120 dB

COMPRESSION STANDARD

Video Compression:	H.264, H.265, MJPEG
Audio Compression:	G711/G722.1/G726/MP2L2/PCM
Video Bit Rate:	32 Kbps to 16 Mbps
Audio Bit Rate:	64 Kbps(G.711)/16 Kbps(G.722.1)/16 Kbps (G.726)/32-192 Kbps(MP2L2)

IMAGE

Max. Image Resolution:	1920(H) x 1080(V)
Frame Rate:	50Hz: 25fps (1920 x1080) 60Hz: 30fps (1920 x1080)

FUNCTIONS

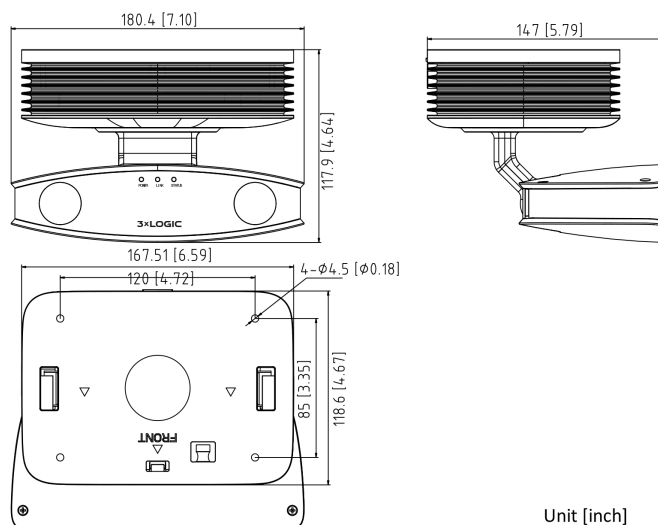
Alarm Triggers:	Motion Detection, Video Tampering Alarm, Network Disconnected, IP Address Conflict, Illegal Login, HDD Full, HDD Error
Local Storage:	Built-in Micro SD card slot, up to 128GB
Security:	User Authentication, Watermark, IP Address Filtering, Anonymous Access
Protocols:	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour
System Compatibility:	ONVIF (Profile S, G), ISAPI

PHYSICAL

Working Temperature:	-10°C ~ 40°C (-14°F ~ 104°F)
Humidity:	95% or less (non condensing)
Power/Surge Protection:	TVS 4000V Lightning Protection, Surge Protection and Voltage Transient Protection
Dimensions (inches):	7.10" x 5.79" x 4.64"
Dimensions (mm):	180.4mm x 147mm x 117.9mm
Weight:	3.31 lbs / 1500 g

ELECTRICAL

Power Supply:	36VDC, Two-Core Terminal Block Power Adapter Included (220 VAC to 36 VDC)
Power Consumption:	36V+/-20%, 0.75A



Unit [inch]



INTERFACE

Communication:	1 RJ45 10M/100M/1000M self-adaptive Ethernet port, 1 RS-485 interface
Video Output:	1 Vp-p composite output (75 Ω/RCA) for installation
Alarm Input:	1
Alarm Output:	1 output (up to 24 VDC 1 A or 110 VAC 500 mA)
Audio Input:	1 audio input (line in), 1 audio output (line out), mono soundtrack
Audio Output:	1 audio input (line in), 1 audio output (line out), mono soundtrack

ADVANCED FEATURES

- Face Capture - Automatically select and output optimum face picture.
- Face Recognition - Instantly compare captured face pictures against those in libraries.
- Recognized faces trigger alarm if alarm action is configured.

WARRANTY

Three (3) Year Parts and In-house Labor Warranty

CERTIFICATIONS

FCC, CE, UL, ULC

PART NUMBERS

VX-FR-01:	2MP Indoor Facial Recognition Camera with Audio & Alarm I/O
-4	2x 4mm Lens
-8	2x 8mm Lens
-12	2x 12mm Lens