OPTEX
Sensing Innovation

External detection with day and night visual verification

The combination of VX Infinity intrusion sensors with the 180° HD camera module, VXI-CMOD, provides a very reliable outdoor security solution with real-time visual verification.

A complete visual verification solution which can be used autonomously and as part of a wider security system.

OPTEX Vision
Dedicated smartphone app for the VXI-CMOD featuring warping functionality available in the App Store and Google Play
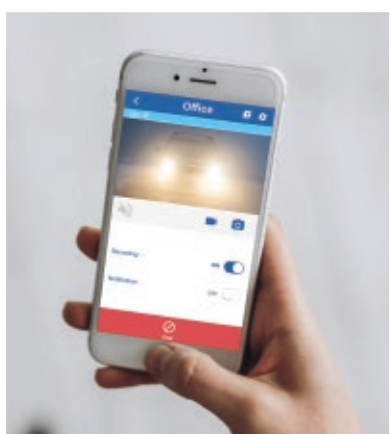
When a person or vehicle is detected an instant notification is sent to the paired mobile phone of the business owner, to access the live view and recordings.
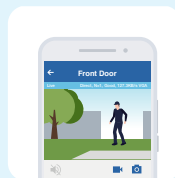
Detect ▶
Alarm signal video recording

Verify ▶
Access VXI-CMOD real-time visual verification

Call ▶
Report criminal activity

24/7 surveillance of your business

I'd like to keep an eye on my premises after hours or during holiday periods.

With the VXI-CMOD and its HD camera, you will get notified wherever you are via the App and have the opportunity to see what's happening even at night.

Centralised control and recording

I have an existing security system, can I connect the VXI-CMOD to it?

With secure Real Time Streaming Protocol (RTSP) and relay alarm reporting you can integrate with most third party centralised solutions such as NVR or CCTV system, allowing them to stream the video in real-time.

Notification of activities during working hours

During working hours, it is difficult to monitor activities around the building such as deliveries, customers or staff.

The solution will give great coverage for delivery areas, parking or yards. Several people can have access and be connected to the system making it a collaborative tool.

Monitor several locations

I need to keep an eye on multiple locations.

Through the App you can conveniently manage the security of several locations, you can install unlimited VXI-CMOD devices on the App and configure individual settings and notifications for each of them.
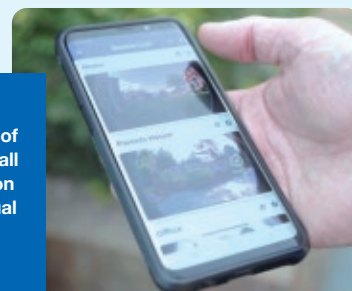
Intelligent outdoor sensor discriminating main causes of false alarms

Shadows · Rain · Weather · Reflection · Pets · Cobwebs · Headlights · Vegitation · Sunlight

Not affected by variable lighting, weather changes, shadows and small animals, the VXI is a very reliable sensor trusted by hundreds of thousands of customers.
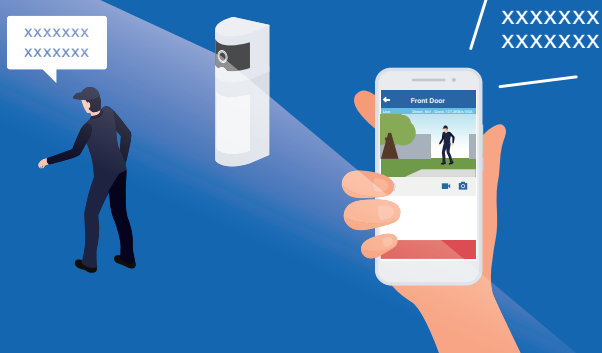
180° view angle and night vision featuring strong and wide IR light

VXI-CMOD could capture an intruder

180°

Many cameras have a narrow view
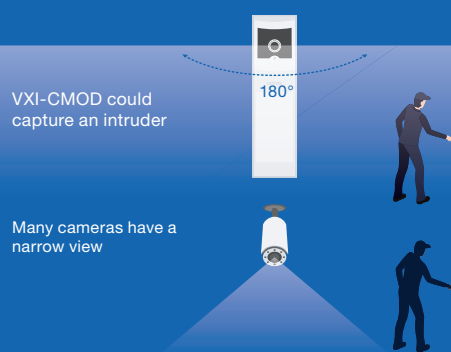
Microphone is integrated
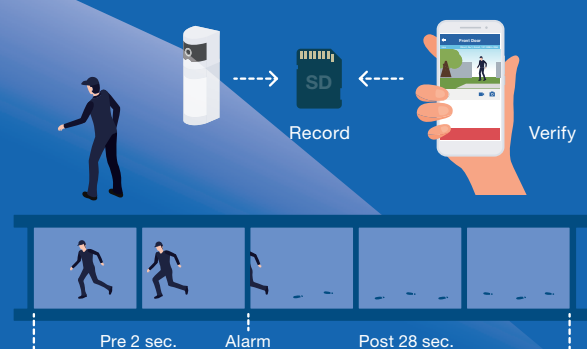
(Only available with OPTEX Vision App)

XXXXXXX XXXXXXX

XXXXXXX XXXXXXX

Front Door

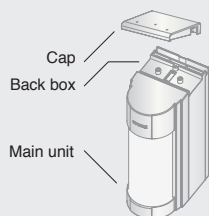## Sensor triggers recording function with 2 sec. pre-recording

(Only available with OPTEX Vision App)

Record ← SD ← Verify

Front Door

Pre 2 sec. · Alarm · Post 28 sec.

System Diagram

VXI-ST/AM/DAM and VXI-CMOD

Wi-Fi router

Internet

Any cellular data network (inc. 3G, 4G & 5G)

Optex Vision App Notification

Smartphone

Alarm input (optional)

Third party equipment

Security System

OPTEX Bridge

NVR

RTSP client (VMS system)

Optional access to live video

Optional centralised video recording possible
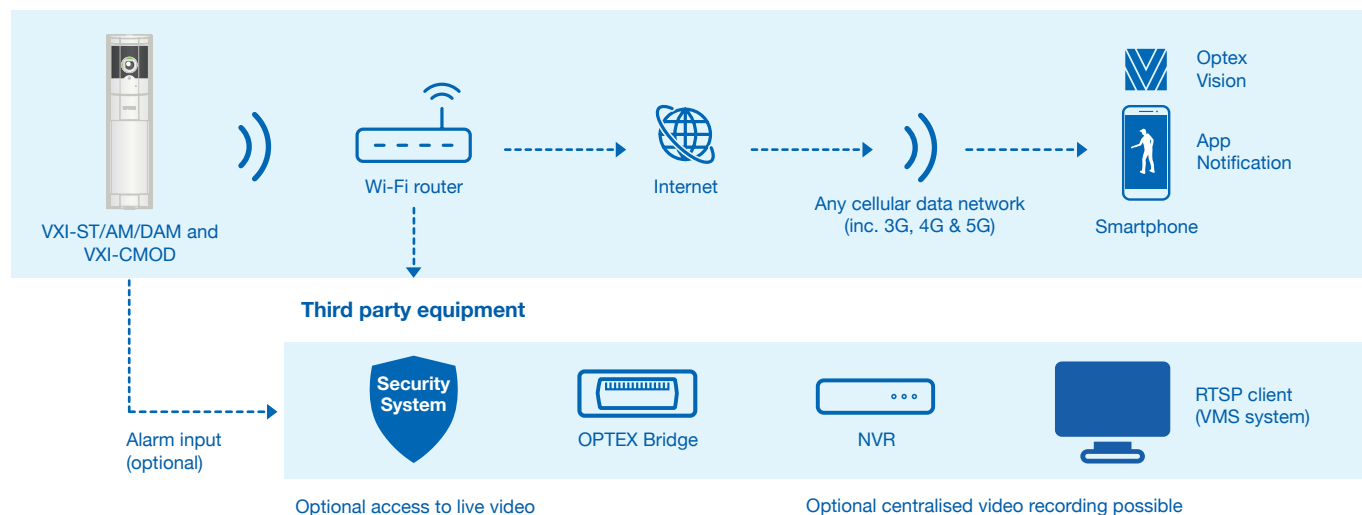
Easy Assembly

Hardwired VXI sensors

Cap

Back box

Main unit

1

Wi-Fi camera

Knockout · Knockout

VXI · CP

Special PCB board

2

Lock screw

Camera mount
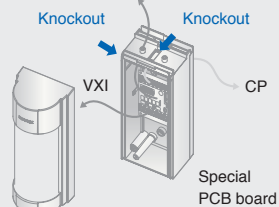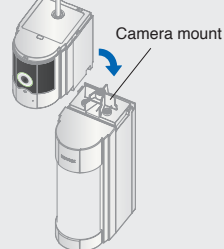
3

CMOD cap
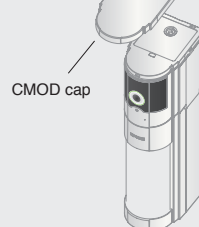
4

Sensor detection area and camera view

Top view   Side view

■ Sensor
■ Camera view

Dimensions

VXI Sensor

71.3   105.5

185.9

VXI-CMOD camera module

71   106

97

Unit: mm

Watch the video

Options

External antenna and 1m cable (CMOD-ANT)
Can be used to ensure optimal Wi-Fi signal reception.
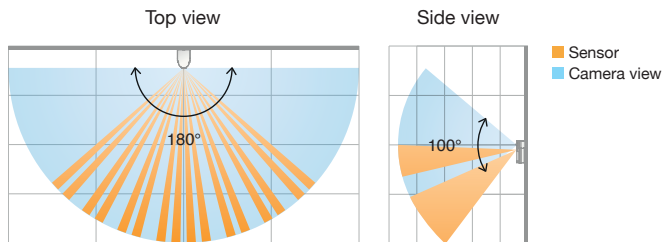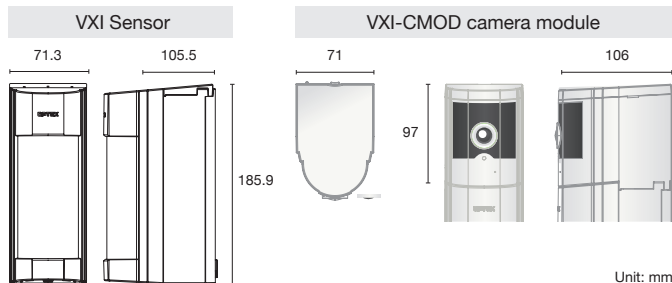
VXI-ST, VXI-AM and VXI-DAM Specifications

Model	VXI-ST	VXI-AM	VXI-DAM
Detection method	Passive infrared		Passive infrared & Microwave
PIR coverage	12.0 m (40 ft) 90° wide / 16 zones		
PIR distance limit	12 - 2.5 m (5 levels)		
Detectable speed	0.3 – 1.5 m/s (1 - 5 ft/s)		
Sensitivity	2.0°C (3.6°F) at 0.6 m/s (2 ft/s)		
Power input	9.5 – 18 V DC		
Current draw	20 mA (max) at 12 V DC	24 mA (max) at 12 V DC	35 mA (max) at 12 V DC
Alarm period	2.0 ±1 sec.		
Warm-up period	Approx. 60 sec. (LED blinks)		
Alarm output	N.C. / N.O. Selectable 28 V DC 0.1 A (max)		
Trouble output	-	N.C. 28 V DC 0.1 A (max)	
Tamper output	N.C. 28 V DC 0.1 A (max) open when cover removed.		
LED indicator	Red: Warm-up, alarm, masking detection (VXI-AM only)		Red: Warm-up, alarm, masking detection. Yellow: Warm-up, MW detect.
RF interference	No alarm 10 V/m		
Operating temperature	-30 – +60°C (-22 – +140°F)		-20 – +45°C (-4 – +113°F)
Environment humidity	95% max.		
International protection	IP55		
Mounting	Wall, Pole (Outdoor, Indoor)		
Mounting height	0.8 – 1.2 m (2.64 ft – 3'94 ft)		
Weight	500 g (17.7 oz.)		600 g (21.2 oz.)
Accessories	Screw (4×20 mm) ×2 , Wiring sponge ×3 , Masking seal ×3		

Visit our multi-lingual manual for full installation details

navi.optex.net/manual/50262

VXI-CMOD camera module specifications

Model	VXI-CMOD
Wireless connectivity	IEEE 802.11 b/g/n
Data encryption	AES 128-bit data encryption via proprietary P2P connection protocol
Security	WEP/ WPA/ WPA2 (TKIP, 128-bit AES)
Simultaneous viewers	OPTEX Vision App: Max.3 concurrent viewers *Performance may be impacted when connecting to multiple mobile devices simultaneously.
Image sensor	2MP (Full HD)
Image resolution	1,080 P/ 720 P/ VGA (Selectable by APP)
Viewing angle	H: 180° V: 100°
Minimum illumination	0 lux (with IR illumination)
Night vision	IR LED low and high with IR-Cut switcher
Image compression	H.264 High profile
Image resolution	Full HD
Frame rate	OPTEX Vision App: 15 FPS, RTSP: 10 FPS
IP address	DHCP or Fixed IP
RTSP Authentication	Digest authentication or disable
Recording period	OPTEX Vision App: 30 sec. (inc. 2 s pre-alarm recording) RTSP: depending on the third party's device.
Memory Storage	microSD card (32 GB max.) Not included/ Only FAT 32 format compatible/ Format with OPTEX Vision App.
Power supply	9.5 to 24 V DC
Power consumption	IR low mode: 400 mA max. / IR high mode: 1.0 A max.
Wake up time	2 min.
LED indicator	1 LED (red and blue)
Microphone	Built-in (audio only available with OPTEX Vision App)
Mode selector	High/low
Internal/ External antenna selector	Internal/ External selectable External antenna [CMOD-ANT] is separate option
Location	Outdoor/Indoor
Operating temperature	-10°C to +50°C
Operating humidity	90% max. (Non condensed) TBE
IP rate	IP 55
Weight	280 g

● Web service is subject to be terminated without prior notice.
● Specifications and designs are subject to change without prior notice.
● RTSP streaming doesn't include sound data.

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OPTEX EMEA HEADQUARTERS
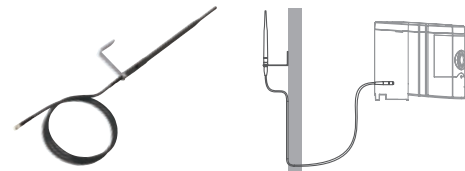
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