



- Wireless interactive technology
- Powered by 4 Lithium batteries for extended battery life.
- 90° wide lens (by default).
- Provided optional lenses: vertical and horizontal curtain, long range beam (up to 18m).
- 4 infrared LEDs for 12m night vision.
- Fully weatherproof (IP54) and temperature resistant (-25°C/+70°C).
- Tilt sensor tamper.
- 3 wired programmable inputs (2 supervised).
- 1 wired programmable output triggered on detection.
- Video capture and transmission in «streaming mode» on user request.

Description

The **OSMV outdoor MotionViewer** is a wireless, **battery operated** camera. The camera is triggered by **motion detection** or **wired input** activation. It can also be activated by user request. It is designed for use in a Videofied® security system. Motion-activated cameras are intended for **outdoor applications** where **video-verification** is needed.

The OSMV consists of a digital camera, passive infrared motion detector, and a spread spectrum S2View® radio module. S2View® is a proprietary Videofied® interactive, **encrypted** wireless circuitry for secure two way communication with the control panel. The OSMV is fitted with a wired inputs/outputs module (3 inputs/1 output, 2 inputs are supervised). A video is taken when one of the inputs is triggered. **Those inputs provide video-verification to a third-party sensor** like an infrared barrier. The wired output can activate a strobe or a projector.

The camera consists of a CMOS sensor and a 90° wide angle lens. Four infrared LEDs provide a **night illumination distance of up to 12 meters**. A Fresnel lens ensures passive infrared motion detection. The standard detection pattern is 90° and an optimal detection distance of 14 meters from the MotionViewer. 3 additional lenses are also provided : Horizontal Curtain, Vertical Curtain, and Beam.

A mounting kit must be used with the OSMV in order to ensure optimal orientation and tilt. **A built-in tilt sensor triggers a tamper alarm in case of unauthorized manipulation or change of its orientation.**

When the alarm system is armed and the infrared lens detects a movement, the OSMV transmits a signal and activates the camera, which captures a 10 second video segment (by default). The alarm panel receives the signal and responds according to system configuration and programming. The alarm and its associated video are transmitted through the alarm panel to the security server, managed by a monitoring center or a smartphone app.

The OSMV is powered by four lithium batteries for a typical battery life of **4 years** or more, depending on the activity of the detector.

In addition, the end user will be able to request a "live" video from every OSMV in his Videofied® system. Following that request, the OSMV enables its camera and streams in real time the video to the panel. The user immediately receives the video flux on his smartphone.

Every detector transmits a check-in signal every 8 minutes to the alarm panel in order to supervise its status.



Features

- > S2View® Spread Spectrum, Videofied, Interactive, AES Encrypted wireless technology provides optimum signal integrity and security.
- > Camera : CMOS sensor with 90° wide angle lens. Resolution 320 x 240 pixels.
- > Supervised : Transmits a check-in/status signal to the panel every 8 minutes indicating the unique identification code along with the current detection sensor state, tamper condition, serial number, manufacture date, software revision, and battery status.
- > Tamper : After setting the location of the device the tamper will alert on any movement of the device including opening of the cover or unscrewing from the mount.
- > Lithium batteries : typical 4 years battery-life.
- > Night illumination: up to 12 meters using four infrared LEDs.
- > Motion detector—dual-element, passive infrared with fresnel lens for up to 14 m wide, 90° coverage pattern (by default).
- > The camera captures a video segment less than 100 milliseconds after motion detection.
- > Device is fully weatherproof and can withstand temperatures from -25° to 70°C.

Applications

- > Video-verification for outdoor intrusion alarms.

ELECTRICAL PROPERTIES

Panel compatibility	
Streaming option	W panels
Without streaming option	X and VISIO panels
Power requirements	
Type C - 4 Lithium batteries 3,6 V LS14500	
Battery life	
Standard usage (up to 5 videos per month)	4 years
High usage (about 30 videos per month)	2 years
Standby current consumption	130 µA
Max current consumption	320 mA

RADIO PROPERTIES

RF S2View® technology	
Radio type	Spread spectrum bidirectionnal
Operating frequency	<ul style="list-style-type: none"> • 868MHz - OSMV 210 (Europe, Africa, Asia) • 915 MHz - OSMV 611 (USA, Canada, South America) • 920 MHz - OSMV 712 (Australia, South America)
Transmission security	AES encryption algorithm
Supervision	Radio, batteries, tamper, position
Radio antenna	Integrated

VIDEO PROPERTIES

Camera	
Angle	90°
Sensor type	CMOS
Lighted video	Programmable : Color or B&W
Night vision video	Black & white automatic infrared
Infrared illumination	Automatic with 4 IR LEDs
Infrared illumination distance	Up to 12m
Video	
Video format	H264 (MPEG if not available)
Framerate	5 images per second
Video resolution	QVGA (320x240)
Average video file size	220 ko
Snapshot	
Format	JPEG
Resolution	VGA (640x480)
Average snapshot file size	8 ko

DETECTION PROPERTIES

Infrared detection specifications	
Technology	Passive infrared DSP
Type	Dual element sensor
Detection lens	<ul style="list-style-type: none"> • 90° • 1 m wide curtain (vertical or pet-immune) • Long distance beam (up to 1m diameter)
Tamper detection	
Tilt	Position change, shock, wall and cover tamper

BOX

Physical properties	
Material	Polycarbonate UL94
Dimensions	130,5mm x 102,44mm x 141,5mm
Weight	261g (without batteries)
Environmental data	
Operating temperature	-25° / +70°C
Max. relative humidity	95%, without condensing
Protection marking	IP 54 / IK 06
Installation / Mounting	
Mounting height	2.5 m to 3.5 m
Mounting angle	5° to 10°
Mounting	Use mounting kit (sold separately)

STANDARDS AND CERTIFICATIONS



868MHz (OSMV 210)

Compliant with the annex IV of the R&TTE Directive 1999/5/EC



915MHz (OSMV 611)

USA FCC

Part 15C

Canada IC

RSS-247 Issue 1



920MHz (OSMV 712)

Australia C-Tick

AS/NZS4268



This symbol on the product or on its packaging indicates that this product should not be treated as household waste. It must be handed over to the applicable collection point for the recycling of electrical and electronic equipment. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health. The recycling of materials will help to conserve natural resources.

For more information about recycling of this product, please contact your local municipality, your waste disposal service or the company that installed the product.

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