- Wireless interactive technology
- Powered by 4 Lithium batteries for extended battery life.
- Lens for vertical curtain detection - Detection pattern : 80cm width and up to 12m distance.
- 4 infrared LEDs for 12m night vision.
- Fully weatherproof (IP54) and temperature resistant (-25°C/+70°C).
- Tilt sensor tamper.
- Video capture and transmission in «streaming mode» on user request.

Description

The **OSMVC outdoor MotionViewer** is a wireless, **battery operated** camera. The camera is triggered by **motion detection**. 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 OSMVC 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 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 detection pattern is a curtain of 1m width and an optimal detection distance of 14 meters from the MotionViewer.

A mounting kit must be used with the OMV 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.**

Install the OSMVC MotionViewer to protect outdoor installations where weather protection and perimeter protection is necessary.

When the alarm system is armed and the infrared lens detects a movement, the OSMVC 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 OSMVC 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 OSMVC in his Videofied® system. Following that request, the OSMVC 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 curtain detection up to 12m with a 1m width curtain.

> 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.

> Residential outdoor perimeter protection

OSMVC OUTDOOR STREAMING MOTION VIEWER

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	• 868MHz - OSMVC 200 (Europe, Africa, Asia) • 915 MHz - OSMVC 601 (USA, Canada, South America) • 920 MHz - OSMVC 702 (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	1 m wide curtain

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

CE 868MHz (OSMVC 200)

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

FCC 915MHz (OSMVC 601)

USA FCC	Part 15C
Canada IC	RSS-247 Issue 1

920MHz (OSMVC 702)

Australia C-Tick	AS/NZS4268

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