



- Wireless interactive technology
- Powered by 4 Lithium batteries for extended battery life.
- Lens for vertical curtain detection - Detection pattern : 80cm width and up to 14m distance.
- 4 infrared LEDs for 12m night vision.
- Fully weatherproof (IP65) and temperature resistant (-25°C/+70°C).
- Tilt sensor tamper.

## Description

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

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

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 14m 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



## ELECTRICAL PROPERTIES

<b>Panel compatibility</b>	W, XL, XT, XV and their variants
<b>Power requirements</b>	Type C - 4 Lithium batteries 3,6 V LS14500
<b>Battery life</b>	
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

<b>RF S2View® technology</b>	
Radio type	Spread spectrum bidirectional
Operating frequency	<ul style="list-style-type: none"> <li>• 868MHz - OMVC 200 (Europe, Africa, Asia)</li> <li>• 915 MHz - OMVC 601 (USA, Canada, South America)</li> <li>• 920 MHz - OMVC 702 (Australia, South America)</li> </ul>
Transmission security	AES encryption algorithm
Supervision	Radio, batteries, tamper, position
Radio antenna	Integrated

## VIDEO PROPERTIES

<b>Camera</b>	
Angle	90°
Sensor type	CMOS
Daylight video	Programmable : Color or B&W
Night video	Automatic black & white infrared
Infrared illumination	Automatic with 4 IR LEDs
Infrared illumination distance	Up to 12m
<b>Video</b>	
Video format	MJPEG-WMV, MJPEG-DIFF
Frame rate	5 images per second
Video duration	Programmable (10 seconds by default)
Video resolution	QVGA (320x240)
Quality	SQ or HQ
Average video file size	220 kb
<b>Image</b>	
Format	JPEG
Resolution	VGA (640x480)
Quality	HQ or SQ
Average image file size	8 kb

## DETECTION PROPERTIES

<b>Infrared detection specifications</b>	
Technology	Passive infrared DSP
Type	Dual element sensor
Detection lens	1 m vertical curtain for 14 m distance
<b>Tamper detection</b>	
Tilt	Position change, shock, wall and cover tamper

## BOX

<b>Physical properties</b>	
Material	Polycarbonate UL94
Dimensions	130,5mm x 102,44mm x 141,5mm
Weight	261g (without batteries)

<b>Environmental data</b>	
Operating temperature	-25°/+70°C
Max. relative humidity	95%, without condensing
Protection marking	IP 65 / IK 06

<b>Installation / Mounting</b>	
Mounting height	2.5 m to 3,5 m
Mounting angle	5° to 10°
Mounting	Use mounting kit (sold separately)

## STANDARDS AND CERTIFICATIONS



**868MHz (OMVC 200)**

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

NF EN50131-2-2 2008 Grade 2

NF EN50130-4 2011

NF EN50130-5 2011 Environment class IV



**915MHz (OMVC 601)**

USA FCC

Part 15C

Canada IC

RSS-247 Issue 1



**920MHz (OMVC 702)**

Australia C-Tick

AS/NZS4268

