



- 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 (IP65) and temperature resistant (-20°C/+60°C).
- Tilt sensor tamper.
- 3 wired programmable inputs (2 supervised).
- 1 wired programmable output triggered on detection.

Description

The **OMV 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 OMV 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 OMV 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 12 meters from the MotionViewer. 3 additional lenses are also provided : Horizontal Curtain, Vertical Curtain, and Beam.

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 OMV MotionViewer to protect outdoor installations where weather protection is necessary.

When the alarm system is armed and the infrared lens detects a movement, the OMV 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 OMV 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 up to 12 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 -20° to 60°C.

Applications

- > Video-verification for outdoor intrusion alarms.

OMV OUTDOOR MOTION VIEWER

ELECTRICAL PROPERTIES

| | |
|---|--|
| Panel compatibility | W, XL, XT, XV and their variants |
| 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 |

RADIO PROPERTIES

| | |
|------------------------------|---|
| RF S2View® technology | |
| Radio type | Spread spectrum bidirectionnal |
| Operating frequency | <ul style="list-style-type: none"> • 868MHz - OMV 210 (Europe, Africa, Asia) • 915 MHz - OMV 611 (USA, Canada, South America) • 920 MHz - OMV 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 |
| 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 |
| Video | |
| 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 |
| Image | |
| Format | JPEG |
| Resolution | VGA (640x480) |
| Quality | HQ or SQ |
| Average image file size | 8 kb |

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 | -20°/+60°C |
| Max. relative humidity | 95%, without condensing |
| Protection marking | IP 65 |

| | |
|--------------------------------|------------------------------------|
| Installation / Mounting | |
| Mounting height | 2.5m to 4m |
| Mounting angle | 5° to 10° |
| Mounting | Use mounting kit (sold separately) |



STANDARDS AND CERTIFICATIONS


868MHz (OMV210)

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

NF EN50131-2-2

2008 Grade 2

Matériels de sécurité électroniques, détection d'intrusion
DETECTEUR DE MOUVEMENT A INFRAROUGE PASSIF

Marque commerciale Videofied

Référence produits OMV210

N° de certification

**Organisme certificateur :
CNPP Cert.**

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**Organisme certificateur :
AFNOR Certification**

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 Fax: +33(0)1.49.17.90.00
 Site Internet : www.marque-nf.com
 E-mail : certification@afnor.org

915MHz (OMV611)

USA FCC

Part 15C

Canada IC

RSS-210 Issue 8


920MHz (OMV712)

Australia C-Tick

AS/NZS4268

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