OMV OUTDOOR MOTION VIEWER

Product Summary

The OMV 210/611/712 MotionViewer is a wireless, battery operated, motion activated or electrically activated outdoor camera designed for use in Videofied® security systems.

- 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.
- Standard detection distance (up to 12 meters).
- Fully weatherproof (IP65) and temperature resistant (-20°C/+60°C).
- Tilt sensor tamper.
- Transmits check-in/status signal every 8 minutes.
- 3 wired programmable inputs (2 supervised).
- 1 wired programmable output triggered on detection.

Installation Guidelines

For easier installation, programming and RF testing should be done to check for good communication between the control panel and all system devices before mounting system devices.

Install the detector and other system devices in the order of the following steps:

> Programming/RF Testing - program detector and all other devices into the control panel and test RF communication from each intended device location to the control panel.

> Mounting - mount detector at the tested location.

Mounting

> Use proper tools and hardware.

> Mount camera between 2.5 m to 4 m height.

> The OMV MotionViewer detection distance may vary depending on weather and the detector mounting (height, tilt). The OMV is not suitable to protect an area, it needs to be used to protect an access point or any property.

> Mount detector aimed toward the spot to protect.

> In order to reduce false alarms, do not aim the detector toward vegetation, a road, or unlimited space.

> Do not cover the Fresnel lens. Use only the provided masking kit to block detection towards specific spots (trees, bushes, etc.).
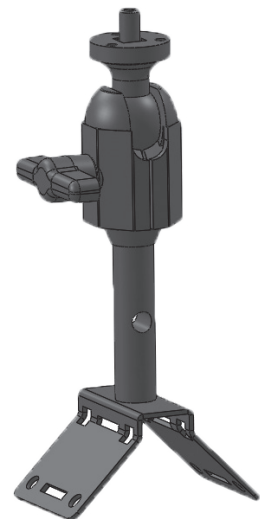
MB110 Mounting kit for Outdoor MotionViewer

Programming/RF Testing/Mounting

The following provides summarized steps for device programming, testing, and mounting. For complete details, refer to the control panel installation manual.

1 Separate the base from the box

2 Install 3 3.6V LS14500 SAFT batteries observing correct polarity.

3 Put control panel into Programming/Configuration mode.

4 Using a programmed alphanumeric keypad, proceed through menus until the display shows ADD A NEW DEVICE.

Screw

5 Press OK/YES. the display shows PRESS PROGRAM BUTTON OF DEVICE.

6 Press and release program button on the OMV MotionViewer.

The OMV PIR flashes.

7 Wait for keypad display to show CAMERA(1 - 25) PROGRAMMED. Press OK/YES, the display shows RADIO RANGE TEST? Press OK/YES again. The camera LED starts flashing and keypad display shows RF TEST.

IN IT button

8 Take the OMV camera to its intended mounting location and make sure LED flashes continuously or you receive a 9/9 indicating good communication with the control panel.

9 Press OK/YES to end radio range test then press ESC/NO.

10 The keypad displays :

AREA ALLOCATION :
AREA : 1

Press either arrow button repeatedly until desired area number appear then press OK/YES. By default all devices in Area 1 are automatically delayed.

11 The display shows NAME + LOCATION:

Enter appropriate device name/location (up to 16 characters), then press OK/YES. The display shows the device number and name for your verification.

12 Mount the DCV on the wall or the MB 110 Mounting kit. Follow the installation guidelines shown in page 1.

13 Press OK/YES. The display shows FUNCTIONAL DEVICE TEST? Press OK/YES and verify camera operation. For example, wave your hand in front of the sensor to activate its LED indicating detection.

14 Press OK/YES to end detection verification.

15 The display shows OPERATION COMPLETED or ADD A NEW DEVICE? Press YES/OK. Repeat steps 1 – 14 for remaining cameras.

16 When finished, exit from configuration mode.

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Mounting Recommendations

For optimal use, OMV MotionViewer mounting shall respect the following recommendations.

Mounting height :

Recommended mounting height should be comprised between **2.5m and 3m**.

When you install the MotionViewer higher, **the detection distance is raised**. However the sensitivity is reduced and the blind area under the MotionViewer is larger.

When you install the MotionViewer lower, **the sensitivity is raised** and the blind area under the detector is reduced. However the detection distance will be reduced.

Tilt :

The detector should be tilted **3° to 5°**

Raising or reducing the tilt, even slightly, has a big impact on the detection distance and on the blind area under the MotionViewer.

Example : Increasing the tilt from 5° to 15 ° can reduce the detection distance up to 33%, that could translate into a loss of detection distance to 4 meters

Blind Area

Max detection distance
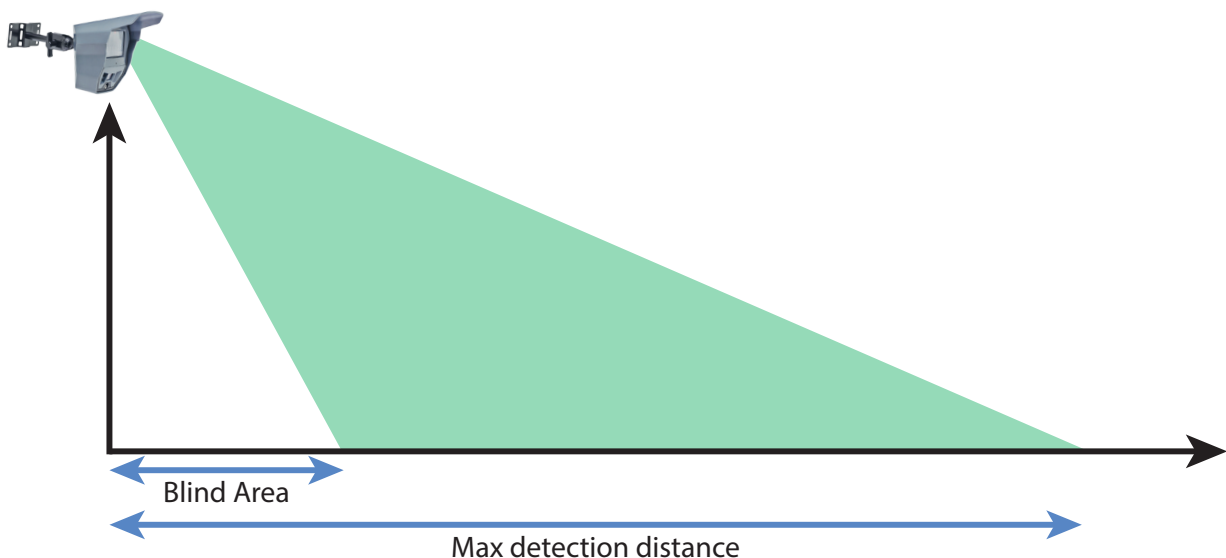
Security notes / (FR) Notes de sécurité / (DE) Hinweise zur Sicherheit

English

- *Remove the batteries before any maintenance !*
- *WARNING, there is a risk of explosion if a battery is replaced by an improper model !*
- *Observe polarity when setting up the batteries!*
- *Do not litter the batteries when they are used! Dispose of it properly according to Lithium Metal requirements*

Français

- *Retirez les piles avant toute opération de maintenance !*
- *Attention ! Il y a un risque d'explosion si la batterie utilisée est remplacée par un mauvais modèle !*
- *Respectez la polarité lors de la mise en place des piles !*
- *Ne jetez pas les batteries usagées ! Ramenez-les à votre installateur ou à un point de collecte spécialisé.*

Deutsch

- *Batterien vor jeglichen Wartungsarbeiten entfernen!*
- *Vorsicht, es besteht Explosionsgefahr, wenn eine Batterie durch eine Batterie falschen Models ersetzt wird!*
- *Achten Sie beim Einsetzen der Batterien auf die Polung!*
- *Entsorgen Sie Batterien nicht im normalen Haushaltsmüll! Bringen Sie Ihre verbrauchten Batterien zu den öffentlichen Sammelstellen.*

FCC Regulatory Information for USA and CANADA

FCC Part 15.21 Changes or modifications made to this equipment not expressly approved by RSI Video Technologies may void the FCC authorization to operate this equipment.

FCC Part 15.105 Class B

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

> Reorient or relocate the receiving antenna.

> Increase the separation between the equipment and receiver.

> Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

> Consult the dealer or an experienced radio/TV technician for help.

Radio frequency radiation exposure information according 2.1091 / 2.1093 / OET bulletin 65

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance of 20 cm between the radiator and your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

This device complies with Part 15 of the FCC Rules and with RSS-210 of Industry Canada.

Operation is subject to the following two conditions:

1 This device may not cause harmful interference, and

2 This device must accept any interference received, including interference that may cause undesired operation.

Cet appareil est conforme à la Partie 15 des règlementations de la FCC et avec la norme RSS-210 de l'Industrie Canadienne.

Son fonctionnement est soumis aux deux conditions suivantes :

1 Cet appareil ne doit pas causer d'interférences nuisibles et

2 Cet appareil doit accepter toute interférence reçue, y compris les interférences pouvant entraîner un fonctionnement indésirable.

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	

- 868MHz - OMVC 210 (Europe, Africa, Asia)
- 915 MHz - OMVC 6111 (USA, Canada, South America)
- 920 MHz - OMVC 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	

- 90° on 12m max (by default)
- 80 cm curtain for 12m distance (vertical or horizontal)
- 1m diameter beam for 18m distance (long distance beam)

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

CE

EN50131-4	Grade 2 -- Type W
NF EN50131-4	2009 Grade 2 -- Type W
NF EN50130-4	2011
NF EN50130-5	2011 Environment class II

Matériels de sécurité electronique, détection d'intrusion

DISPOSITIF D'ALARME SONORE

Marque commerciale	Videofied
Référence produits	OMVC 210
N° de certification	

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