

## Product Summary

The MotionViewer IMV is a wireless, indoor motion activated camera designed for use in a Videofied™ security system. The camera includes the following features:

- > Lithium batteries for long life
- > Color day / B&W night
- > Wide angle lens
- > Infrared LEDs for night illumination
- > Standard motion coverage lens (30 ft./9 m distance)
- > Dual tamper function provides detection of both wall and cover tamper.
- > Transmits check-in/status signal every 8 minutes



## 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.

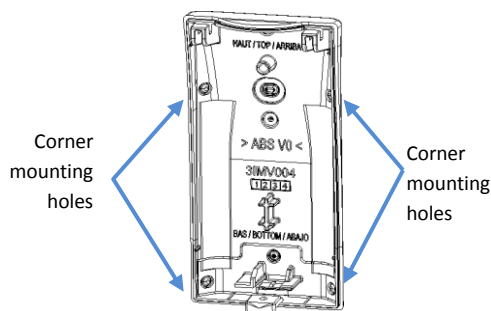
Install the detector and other system devices in the following order:

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

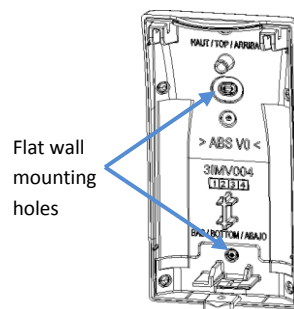
## Mounting rules

- > Use proper tools and hardware.
- > Mount indoors in a temperature controlled environment.
- > Mount camera 2.1 to 2.3 m (6.9 to 7.5 ft.) from the floor.
- > Respect Top and Bottom side of the Motion Viewer
- > When possible, mount in a wall corner in order to aim at a complete room
- > Mount detector on an outside wall, aimed at area to protect.
- > Do not aim detector at windows, especially those that let in direct sunlight, or at heat sources such as lamps, fireplaces, radiators, and heating vents.
- > Do not aim detector at moving objects such as curtains, fans or animals.
- > Do not cover the Fresnel lens

### Corner Mounting



### Flat Wall Mounting

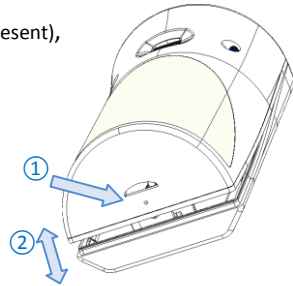


Use only 2x screws on the same side (left or right) to mount the casing on the corner

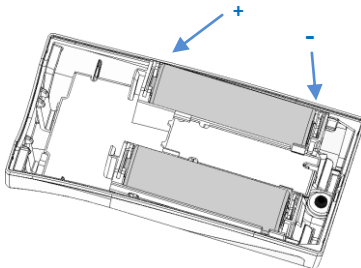
## Programming / RF testing / Mounting

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

- 1 Loosen bottom screw ① (if present), separate base from IMV ②.

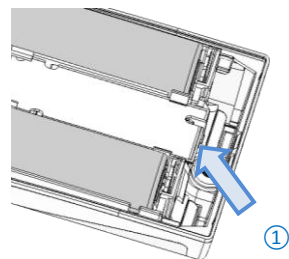
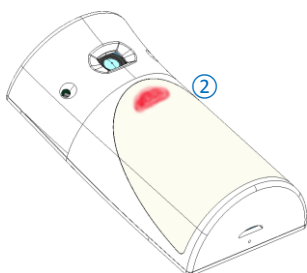


- 2 Install 2 SAFT LS14500 3.6V lithium batteries, observing correct polarity.



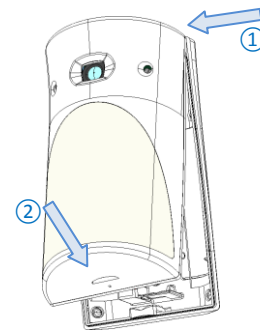
Check that LED flashes before staying red.

- 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.
- 5 Press **Yes**. The display shows PRESS PROGRAM BUTTON OF DEVICE.
- 6 Press and release program button on IMV using your finger or a screw driver ①. The IMV LED flashes red ②.



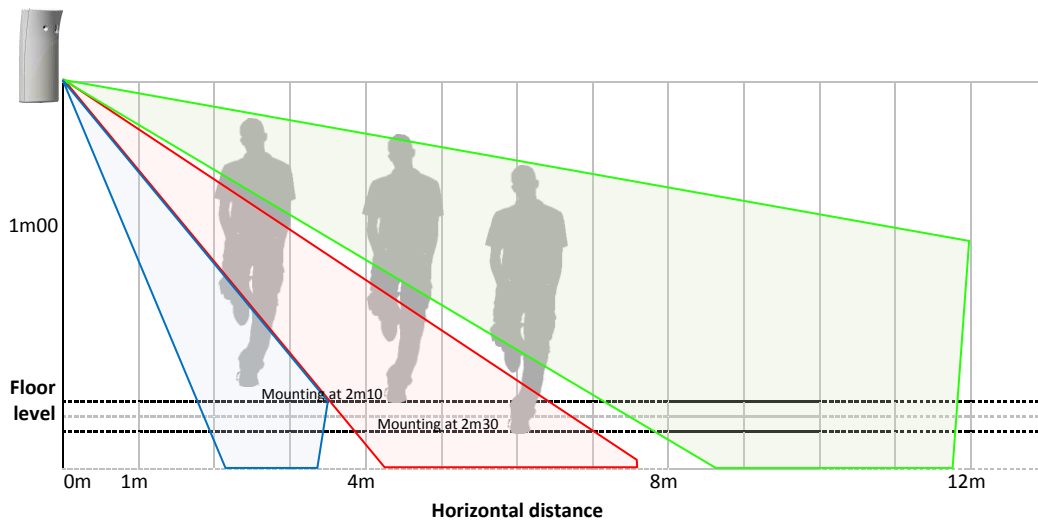
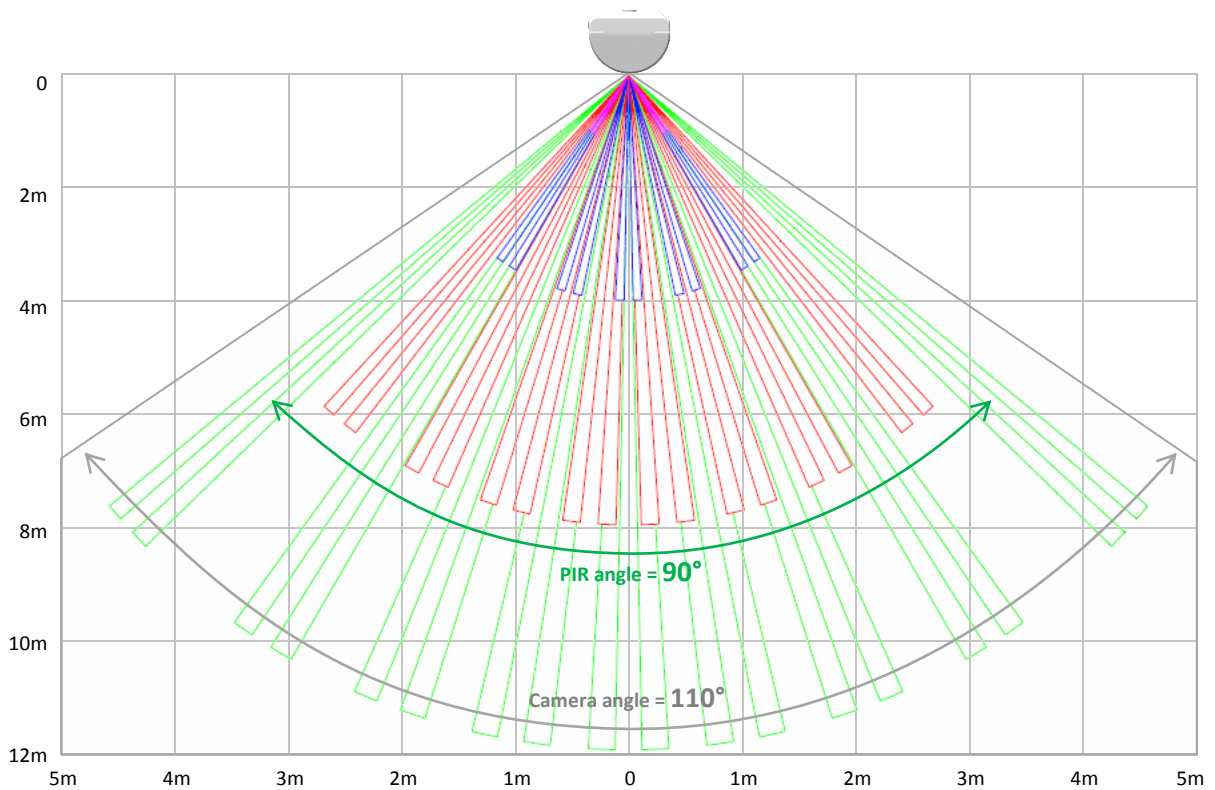
Wait for keypad display to show CAMERA (1 - 24) PROGRAMMED.

- 7 Press **Yes**. The display shows RADIO RANGE TEST? Press **Yes** again. The IMV LED starts flashing and keypad display shows TEST IN PROGRESS.
- 8 Move the IMV to the intended mounting location and make sure you receive a 5/5 or 9/9 indicating good communication with the control panel.
- 9 Press **YES** to end radio range test, then press **Esc/No**.
- 10 The display shows AREA ALLOCATION AREA: 1. Press either arrow button repeatedly until desired AREA number appears, then press **Yes**. By default all devices in area 1 will be subject to the entry and exit delays.
- 11 The display shows NAME + LOCATION. Enter appropriate device name (up to 16 characters). The name of the device should describe its intended mounting location or zone. Then press **Yes**. The display will show the device number and name for your verification.
- 12 Mount the IMV on the wall:
  - Follow the mounting rules on page 1
  - Hold the IMV base against the mounting surface and mark the appropriate mounting holes.
  - Drill pilot holes and install anchors where needed.
  - Place base on mounting surface so that the pilot line up and secure base with appropriate screws.
  - Attach camera to base and secure with screw if required.



- 13 Press **Yes**. The display shows FUNCTIONAL DEVICE TEST? Press **Yes** again and verify IMV operation. For example, wave your hand in front of the sensor to activate the LED which indicates detection.
- 14 Press **Yes** to end detection verification.
- 15 The display shows ADD A NEW DEVICE? Repeat steps 1 – 14 for remaining MotionViewers.
- 16 When finished, exit from configuration mode by pressing and holding the ESC/NO for 5 seconds..

Detection diagrams



Technical data subject to change without notice.

**(FR) Notes de sécurité / (EN) Security notes / (DE) Hinweise zur Sicherheit**

- | Français   | English  | Deutsch   |
|--|--|---|
| > Retirez les piles avant toute opération de maintenance !   | > Remove battery before any maintenance!   | > Batterien vor jeglichen Wartungsarbeiten entfernen!   |
| > Attention ! Il y a un risque d'explosion si l'une des piles utilisées est remplacée par une pile de type incorrect ! | > WARNING, there is a risk of explosion if a battery is replaced by an incorrect type! | > Vorsicht, es besteht Explosionsgefahr, wenn eine Batterie durch eine Batterie falschen Typs ersetzt wird!                           |
| > Respectez la polarité lors de la mise en place des piles !   | > Observe polarity when setting up the batteries!                                      | > Achten Sie beim Einsetzen der Batterien auf die Polung!   |
| > Ne jetez pas les piles usagées ! Ramenez-les à votre installateur ou à un point de collecte spécialisé.              | > Do not throw used batteries! Bring them to your installer or a collection point.     | > 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 VideoTechnologies 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 réglementations 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.*

**Properties**

**Panel compatibility** ..... XL, XT, XV, XTIP, VISIO

**Power** ..... Type C

- Nominal voltage ..... 3,6V
- Low voltage limit ..... 3V
- Battery type ..... AA lithium 3,6V, SAFT LS14500
- Battery quantity ..... 2
- Battery life ..... up to 4 years
- Current consumption (standby / max)
  - IMV200 (868MHz) ..... (57 µA / 160 mA)
  - IMV601 (915MHz) ..... (72 µA / 180 mA)
  - IMV701 (920MHz) ..... (72 µA / 180 mA)

**RF technology** ..... S<sup>2</sup>View® Radio bidirectional

- Central frequency
  - 868MHz** on IMV200 (Europe, South Africa, Asia)
  - 915MHz** FHSS on IMV601 (USA, Canada, South America)
  - 920MHz** FHSS on IMV701 (Australia, South America)
- Transmission Security ..... AES Algorithm encryption
- Supervision ..... 8mn
- Antenna ..... integrated

**Camera**

- Angle ..... 110°
- Sensor type ..... CMOS
- Daylight vision ..... Color (programmable to B&W)
- Night vision ..... automatic Infra-red B&W
- IR illumination ..... automatic with 2x IR LEDs
- IR Illumination distance ..... up to 7m/23ft

**Video**

- Video formats ..... MJPEG-WMV, MJPEG-DIFF
- Frequency ..... 5i/s
- Video length ..... Programmable  
..... Default value: 7s (IMV601 & IMV701) or 10s (IMV200)
- Resolution ..... QVGA (320x240)
- Quality ..... SQ or HQ
- Typical file size ..... ~220Ko

**Snapshot**

- Format ..... JPEG
- Resolution ..... QVGA (320x240) or VGA (640x480)
- Quality ..... HQ (programmable to SQ)
- Typical file size ..... 8Ko

**PIR performances**

- Detection angle ..... 90°
- Distance ..... 12m/40ft
- Sensibility ..... Programmable to 5 predefined levels

**Tamper**

Cover and wall tamper

**Tests**

- Detection test (walk test) ..... Yes with LED indicator
- RF test ..... Yes

**Installation / Mounting**

**Mounting height** ..... 2m10 to 2m30 / 6.9 to 7.5ft

**Mounting on wall:**

- On flat wall ..... with 2x screws
- In corner ..... with 2x screws

**Closing of the casing** .....

Closing by clip or with screw if required by local legislation.

**Environmental and Physical properties**

- Temperature ..... -10°/+50°C (+14°F/+122°F)
- Relative humidity ..... 90%, non-condensed
- IP level ..... IP30 / IK04
- Material ..... ABS type ULV0 - White
- Sizes ..... (HxWxT) 98 x 52 x 40mm  
(HxWxT) 3.86 x 2.05 x 1.57 inches)
- Weight ..... 60gr (2.12oz) (without batteries)

**Certifications & standards**

**868MHz** (IMV200 for Europe, South Africa and Asia)

**Standards:**

- EN60950-1:2006+/A11:2009+/A1:2010
- EN300220-1 V2.4.1
- EN300220-2 V2.4.1
- NF EN50130-4:1995+/A1:1998+/A2:2003;
- NF EN50130-5:1998 Class II
- NF EN50131-2-2:2009 - Grade 2
- NF EN50131-5-3:2005 - Grade 2
- NF EN50131-6:2008 Grade 2 –Type C

**Certifications**

- |              |                             |
|--------------|-----------------------------|
| Europe       | <b>CE / EN50131 Grade 2</b> |
| Netherlands  | <b>NCP</b>                  |
| Singapore    | <b>IDA</b>                  |
| South Africa | <b>ICASA</b>                |

**915MHz** (IMV601 for USA, Canada and South America)

**Certifications:**

- USA FCC Part15C (FCC47 CFR part15)
- Canada IC (RSS-210 Issue 8)

**920MHz** (IMV701 for Australia and South America)

**Certifications:**

- Australia C-Tick (AS-NZS4268)

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