



**PRODUCT INFORMATION SHEET**

Made by RSI VIDEO TECHNOLOGIES

IMV\_Product\_Information\_Sheet\_FR3

## Description

**The indoor IMV MotionViewer camera** is a battery-operated wireless indoor camera activated by the detection of movement, and designed by Videofied security systems. The cameras are designed for use in situations where video verification of intruder alarms is necessary or desirable.

The IMV consists of a digital camera, a passive infra-red motion detector, and S2VIEW® circuitry with spread spectrum technology, interactive, wireless and encrypted for secure two-way communications with the control panel.

The camera consists of a colour / black and white CMOS sensor and a 110° wide-angle lens. Two infra-red LEDs permit discreet night-time illumination of more than 7 metres of the area to be monitored.

For intrusion detection a Fresnel lens allows a passive infrared image capture of movement over a 90° angle and over more than 12m of distance.

The base can be mounted in a corner or on a flat support, and includes a dual self-protection / tamper functionality permitting detection of unauthorised interventions such as removal or opening of the casing.

The camera is installed to completely monitor rooms, corridors, stairs and other areas where a wide angle of detection / vision is required. When the alarm system is armed and the detector captures movement it sends a signal and activates the camera which records a digital video (of up to 10 seconds). The control panel receives the signal and responds according to the way the system is configured or programmed.

The alarm and the video are transmitted via the control panel to a monitoring centre which will take the steps necessary for a possible intervention and which can arrange to forward them by email to the end user. The detector is powered by two lithium batteries which have a battery life of four years assuming normal usage of the IMV camera.

Every 8 minutes the detector sends an update signal to the control panel which includes: its unique identification number, the current state of the detection sensor, any possible unauthorised interference with the camera, the serial number, the date of manufacture, any changes to the software and the status of the batteries.

## Applications

- > Video verification of intruder alarms.
- > Remote look-in for authorised users.

## Characteristics

- > The interactive and wireless S2View® radio frequency technology with AES encryption ensures signal integrity and optimal security.
- > Camera: colour / black and white CMOS sensor equipped with a 100° wide-angle lens and QVGA (320 x 240) or VGA (640x480) resolution.
- > Optimised video formats for optimal file size.
- > Multiple parameterisations possible (length of video, quality, resolution, black and white / colour).
- > Automatic IR night vision with illumination of up to 7 metres or more distance thanks to two IR LEDs.
- > Motion detector: dual element, passive infra-red with Fresnel lens for 12m coverage and 90° angle. Adjustable sensitivity.
- > Detection test function with LED indicator
- > Monitoring: every 8 minutes the detector sends a status update signal to the control panel which includes: its unique identification number, the current state of the detection sensor, any possible unauthorised interference with the camera, the serial number, the date of manufacture, any changes to the software and the status of the batteries.
- > Self-protection / tamper dual function: detects opening of the housing or removal.
- > Powered by 2 x lithium batteries with 4 years battery life.



## Technical Specifications

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| <p><b>Compatibility</b><br/>Videofied® control panels (VISIO, XL, XT, XV, ...)</p> <p><b>Properties</b></p> <p><b>Power supply</b> ..... Type C<br/>Nominal voltage ..... 3.6V<br/>Lower voltage limit (any function)..... 3V<br/>Type of battery .....lithium 3.6V, LS14500 SAFT, AA<br/>Number of batteries..... 2<br/>Battery life: ..... up to 4 years</p> <p><b>Radio technology</b> ..... S<sup>2</sup>View® bi-directional<br/>Control panel frequency .....<br/>868MHz (Europe, Africa, Asia)<br/>915Mhz FHSS (USA, Canada, South America)<br/>920MHz FHSS (Australia, South America)<br/>Transmission security ..... AES encryption<br/>Antenna.....integrated</p> <p><b>Vision</b><br/>Angle of vision ..... 100°<br/>Sensor ..... CMOS<br/>Daytime vision .Colour as default (B&amp;W as an option)<br/>Night vision .....automatic infra-red B&amp;W<br/>IR illumination ..... automatic via 2 x IR LEDs<br/>IR illumination performance ..... 7m or more</p> <p><b>Video</b><br/>Standard format ..... MJPEG-WMV<br/>Optimised format ..... MJPEG-DIFF<br/>No. images/sec ..... 5i/s<br/>Recording time ..... 10s (can be configured)<br/>Resolution ..... QVGA 320x240<br/>Quality ..... SQ or HQ<br/>Standard file size ..... ~220Kb<br/>(Colour, MJPEG-WMV, 10s, 5i/s, QVGA, SQ)</p> <p><b>Photo</b><br/>Format ..... JPEG<br/>Resolution..... QVGA (320x240) or VGA (640x480)<br/>Quality ..... HQ (SQ optional)<br/>Standard file size ..... 8Kb</p> <p><b>PIR detection</b><br/>Angle of coverage ..... 90°<br/>Distance ..... 12m<br/>Sensitivity ..... adjustable</p> <p><b>Detection of tampering</b><br/>Self-protection for opening or removal<br/>Radio surveillance every 8 mins</p> <p><b>Test</b><br/>Detection test..... Yes with LED indicator<br/>Radio coverage test..... Yes</p> | <p><b>Installation / Mounting</b></p> <p><b>Installation height</b> .....2m10 to 2m30</p> <p><b>Wall mounting:</b><br/>Flat wall.....by 2 screws at rear<br/>Corner of a wall..... by 4 screws at corners</p> <p><b>Locking the product</b> ..... Mechanical bolt and screw with normal restrictions.</p> <p><b>Physical and Environmental Properties</b><br/>Temperature..... -10°/+50°C (+14°F/+122°F)<br/>Maximum relative humidity.....90%, non-condensing<br/>Protection rating..... IP30 / IK04<br/>Material ..... ABS type ULV0 - White<br/>Dimensions ..... (HxWxT) 99 x 52 x 40mm<br/>(HxWxT) 3.90 x 2.05 x 1.57 inches)<br/>Weight ..... 90gr (3.17oz) (without battery)</p> <p><b>Certification / Ongoing Compliance</b></p> <p><b>868MHz version</b><br/>Compliance with standards:<br/>EN60950-1:2006+/A11:2009+/A1:2010<br/>EN300220-1 V2.3.1<br/>EN300220-2 V2.3.1<br/>NF EN50130-4:1995+/A1:1998+/A2:2003;<br/>NF EN50130-5:1998 Class II<br/>NF EN50131-2-2:2009 - Grade 2<br/>NF EN50131-5-3:2005 - Grade 2<br/>NF EN50131-6:2008 Grade 2 –Type C</p> <p>Certifications<br/>Europe <b>CE</b><br/>France <b>NF&amp;A2P 2 shields</b><br/>Netherlands <b>NCP</b><br/>Singapore <b>IDA</b><br/>South Africa <b>ICASA</b></p> <p><b>915MHz FHSS version</b><br/>Certifications (standards)<br/>USA <b>FCC Part 15C</b> (FCC47 CFR part15)<br/><b>ETL Mark</b> (UL639 rev8) Canada <b>IC</b> (RSS-210 Issue 8)</p> <p><b>920MHz FHSS version</b><br/>Certifications (standards)<br/>Australia <b>C-Tick</b> (AS-NZS4268)</p> |
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