

IMV 200

## 009:V SPECIFICATION SHEET



**VIDEOFIED**  
ULTIMATE SECURITY



### IMV 200 INDOOR MOTION VIEWER

#### Description

**The MotionViewer Model IMV 200 is a wireless battery operated, indoor motion-activated video camera designed for use in Videofied security systems. Motion-activated cameras are intended for applications where video verification of intrusion alarms is necessary or desired.**

The IMV 200 consists of a digital camera, a passive infrared motion detector, S2View® spread spectrum, videofied interactive and encrypted wireless circuitry for secure two-way communications with the control panel.

The camera consists of a CMOS color sensor and an 110°, wide angle lens. Two infrared LEDs provide a night illumination distance of approximately 23 feet/7 meters. For motion or movement detection, a fresnel lens inside the cover captures a up to 40-foot wide, 90° angle passive infrared pattern. The base allows for flat wall or corner mounting. A dual tamper function provides for both wall and cover tamper detection.

The camera is typically installed to cover rooms, hallways, stairwells, and other similar areas where detection coverage is needed. When the alarm system is armed and the motion detector senses heat motion, the detector transmits a signal and activates the camera, which captures up to a 10-second digital video segment. The control panel receives the signal and responds according to system configuration/programming.

The alarm and video segment are reported via the control panel to the central monitoring station. The detector is powered by three lithium batteries that can last up to four years or more, depending on the amount of detector activity.

#### Features

- S2View® - Spread Spectrum, Videofied, Interactive AES Encrypted Wireless technology provides optimum signal integrity and security.
- Camera - CMOS sensor 110° wide angle lens and adjustable video resolution of 320 x 240 pixels.
- Night illumination - up to 23 ft./7m distance using two infrared LEDs.
- Motion detector - dual-element, passive infrared with fresnel lens for up to 40ft./12m wide, 90° coverage pattern.

- Camera records color during the day and black and white at night.
- Supervised - transmits check-in/status signal to the panel every 8 minutes indicating unique identification code along with the current detection sensor state, tamper condition, serial number, manufacture date, software revision and battery status.
- Dual tamper - provides cover and wall tamper detection.
- Lithium batteries - last up to four years depending on activity and environmental (estimated)



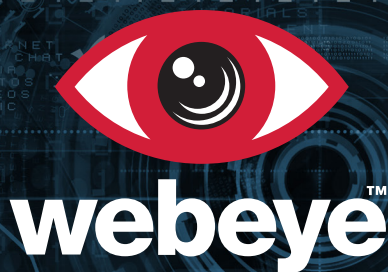
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**Power requirements**

Type	2 x 3.6V SAFT Lithium, LS14500, AA Batteries Only
Nominal Volatage	3.6V
Low Voltage Limit	3V
Battery Life (estimated)	Up to 4 years

**RF Technology** S2View® Bidirectional Radio

Central Frequency 868MHz - IMV200(Europe, South Africa, Asia)

915MHz - FHSS - IMV601(USA, Canada, South America)

920MHz - IMV702(Australia, South America)

Transmission Security AES Algorithm Encryption

Supervision 8 minutes

Antenna Integrated

**Camera**

Angle 110°

Sensor Type CMOS

Daylight Vision Programmable: Colour and B&amp;W

Night Vision Automatic Infra-red B&amp;W

IR Illumination Automatic with 2 x IR LEDs

IR Illumination Distance Up to 7m/23ft

**Video**

Video Formats MJPEG-WMV, MJPEG-DIFF

Frequency 5i/s

Video Length Programmable(Default 10s)

Quality SQ or HQ

Default File Size +/- 220Kb

**Snapshot**

Format JPEG

Resolution QVGA(320x240) or VGA(640x480)

Quality HQ or SQ

Typical File Size 8Kb

**PIR Performance**

Detection Angle 90°

Distance 12m/40ft

Sensitivity Programmable to 5 Predefined Levels

Tamper Wall and cover tampered

**Installation / Mounting**

Mounting Height 2 to 2.3/6.5 to 7.5ft

Mounting on Flat Wall With 2 x Screws

Mounting in Corner With 4 x Screws

Closing of the Casing Closing by clip or with screw if

required by local legislation

**Environmental and Physical Properties**

Temperature -10°/+55°C(+14°/131°F)

Relative Humidity 90%, non-condensing

IP Level IP30/IK04

Material ABS type ULVO - White

Dimensions 98x52x40mm(LxWxD)

Weight 60gr(2.12oz)(without batteries)



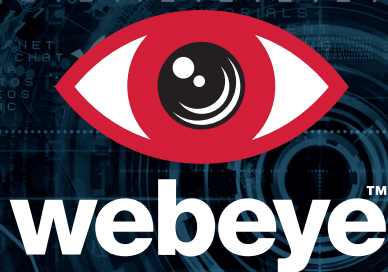
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### FCC Regulatory Information for USA and Canada

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.



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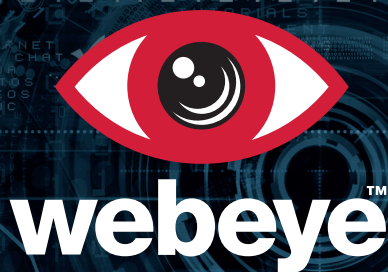


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### Security Notes

- Remove batteries before any maintenance!
- WARNING, there is a risk of explosion if a battery is replaced by an incorrect type!
- Observe polarity when setting up batteries!
- Do not throw used batteries! Bring them to your installer or a collection point

## STANDARDS AND CERTIFICATIONS

### 868MHz (IMD200)

#### 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 Classe 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 CE / EN50131 Grade2  
Netherlands NCP  
Singapour IDA  
South Africa ICASA

### 915MHz - FHSS - IMD601

#### Certifications

USA	FCC Part 15C (FCC47 CFR Part 15)
Canada IC	(RSS-210 Issue 8)

### 920MHz - FHSS - IMD701

#### Certifications

Australia	C-Tick(AS-NZS4268)
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