



# resideo

## IMV210 Indoor MotionViewer®

### IMV210

#### APPLICATION

The MotionViewer Model IMV210 is a wireless, battery operated, indoor motionactivated video camera designed for use in Videofied security systems. Motionactivated cameras are intended for applications where video verification of intrusion alarms is necessary or desired.

The IMV210 consists of a digital camera, a passive infrared motion detector, and Synchronous Time Division Duplex radio protocol, Videofied interactive, encrypted wireless circuitry for secure two-way communications with the control panel.

The camera consists of a CMOS color sensor and an 90°, wide angle lens. A white 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 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.

- Wireless technology for optimal security
- Colour video day and night
- White LED for night vision
- Superior motion coverage lens
- Wall and cover tamper
- Powered by 3 Lithium CR123A batteries for extended autonomy
- Pet immune up to 36 kg



#### SPECIAL FEATURES

- Wiselink® Videofied, Interactive, AES Encrypted Wireless technology provides optimum signal integrity and security
- Camera CMOS sensor with 90° wide angle lens and adjustable video resolution of 320 x 240 pixels
- Night illumination up to 23 ft./7 m distance using a white LEDs
- Motion detector dual-element, passive infrared with Fresnel lens for up to 40 ft./12 m wide, 90° coverage pattern
- Camera records color during the day and at night
- Supervised transmits a check-in/status signal to the panel every eight 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 environment (estimated)

## TECHNICAL DATA

Electrical Properties	
Panel compatibility:	XL, XT and W panels
Battery:	3 x CR123
Nominal voltage:	3.2 V
Low Battery Threshold:	2.72 V
Estimated Battery Life:	4 years
Current Consumption	
Standby (1h average):	54 µA
Max.:	300 mA
Radio Properties	
Synchronous time division duplex radio protocol	
Radio Type:	RF bidirectional
Operating Frequency:	868 MHz - IMV210 (Europe, Africa, Asia)
Transmission Security:	AES algorithm encryption
Supervision Radio:	Batteries, tamper
Radio Antenna:	Integrated
Video Properties	
Camera	
Angle:	90°
Sensor Type:	CMOS
Day light video:	Colour
Night vision video:	Colour
Illumination:	Automatic with white LED
Illumination distance:	7 m
Video	
Video format:	MJPEG-WMV, MJPEG-DIFF
Frame Rate:	5 images per second
Resolution:	QVGA (320 x 240)
Video File Size:	256 kB (Typ.)
Detection properties	
Infrared detection specifications	
Technology:	Passive-infrared DSP
Type:	Dual Element Sensor
Lens:	Fresnel
Detection Angle:	90°
Detection Range:	up to 12 m

Detection properties	
Infrared detection specifications	
Initialisation Time:	1 min 30 seconds
Recovery Time:	90 seconds
Pet immunity:	up to 36 kg at low sensitivity
Tamper detection:	Cover and wall tamper, electromagnetic immunity
Box	
Physical Properties	
Material:	ABS UL94-V0
Dimensions:	54 x 49 x 111 mm
Weight:	165 g
Environmental Properties	
Operating Temperature:	-10 °C to +55 °C
Max. Relative Humidity:	75 %, without condensing
Physical Protection:	IP30 and IK04
Installation and Mounting	
Mounting Height:	2.1 m to 2.7 m (Typ. 2.3 m)
Mounting Tools:	2 screws (flat wall or corner)
Box sealing:	with screw
Standards and Certifications	
ISMV 210:	868 MHz
Europe:	Compliant with directive 2014/53/EU for red Radio Equipment directive Intertek LSS (EN50131-2-2) ID: 16LHK0199-01
Encryption:	Advanced



For more information  
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