

IMV210 INDOOR MOTIONVIEWER

IMV210

The MotionViewer Model IMV210 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 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

FEATURES & BENEFITS

- 1. Wiselink®** Videofied, Interactive, AES Encrypted Wireless technology provides optimum signal integrity and security.
- 2. Camera** CMOS sensor with 90° wide angle lens and adjustable video resolution of 320 x 240 pixels.
- 3. Night illumination** up to 23 ft./7 m distance using a white LEDs.
- 4. Motion detector** dual-element, passive infrared with Fresnel lens for up to 40 ft./12 m wide, 90° coverage pattern.
- 5. Camera records** color during the day and at night.
- 6. 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.
- 7. Dual tamper** provides cover and wall tamper detection.
- 8. Lithium batteries** last up to four years depending on activity and environment (estimated).

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ELECTRICAL PROPERTIES	
PANEL COMPATIBILITY	XL, XT, W panels
BATTERY	3 x CR123
NOMINAL VOLTAGE	3,2 V
LOW BATTERY TRESHOLD	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	868MHZ - IMV 210 (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	7M
VIDEO	
VIDEO FORMAT	MJPEG-WMV, MJPEG-DIFF
FRAMERATE	5 IMAGES PER SECOND
RESOLUTION	QVGA (320X240)
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
INITIALISATION TIME	1 min 30 sec
RECOVERY TIME	90 SECONDS
PET IMMUNITY	UP TO 36KG 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	165g
ENVIRONMENTAL PROPERTIES	
OPERATING TEMPERATURE	-10°/+55°C
MAX RELATIVE HUMIDITY	75%, WITHOUT CONDENSING
PROTECTION MARKING	IP30/IK04
INSTALLATION / MOUNTING	
MOUNTING HEIGHT	2,10M TO 2.7M (TYP. 2.3M)
MOUNTING TOOLS	2 SCREWS (FLAT WALL OR CORNER)
BOX SEALING	WITH SCREW
STANDARDS AND CERTIFICATIONS	
IMV 210	868MHZ
EUROPE	COMPLIANT WITH DIRECTIVE 2014/53/EU FOR RED RADIO EQUIPMENT DIRECTIVE INTERTEK LSS (EN50131-2-2) ID: 16LHK0199-01
ENCRYPTION	ADVANCED



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