NEXLAR

Indoor Motion Viewer

PRODUCT SPECIFICATION SHEET

MAIN FEATURES

> Wireless technology provides optimum signal integrity and security
> Night illumination
> Motion detector

Description

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

The IMV 200/601/702 consists of a digital camera, a passive infrared motion detector, and S² VIEW® spread spectrum, video Verification interactive, 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, Video Verification, Interactive, AES Encrypted Wireless technology provides optimum signal integrity and security.

>Camera—CMOS sensor with 110° wide angle lens and adjustable video resolution of 320 x 240 pixels.

>Night illumination—up to 23 ft./7 m distance using two infrared LEDs.

>Motion detector—dual-element, passive infrared with fresnel lens for up to 40 ft./12 m wide, 90° coverage pattern.

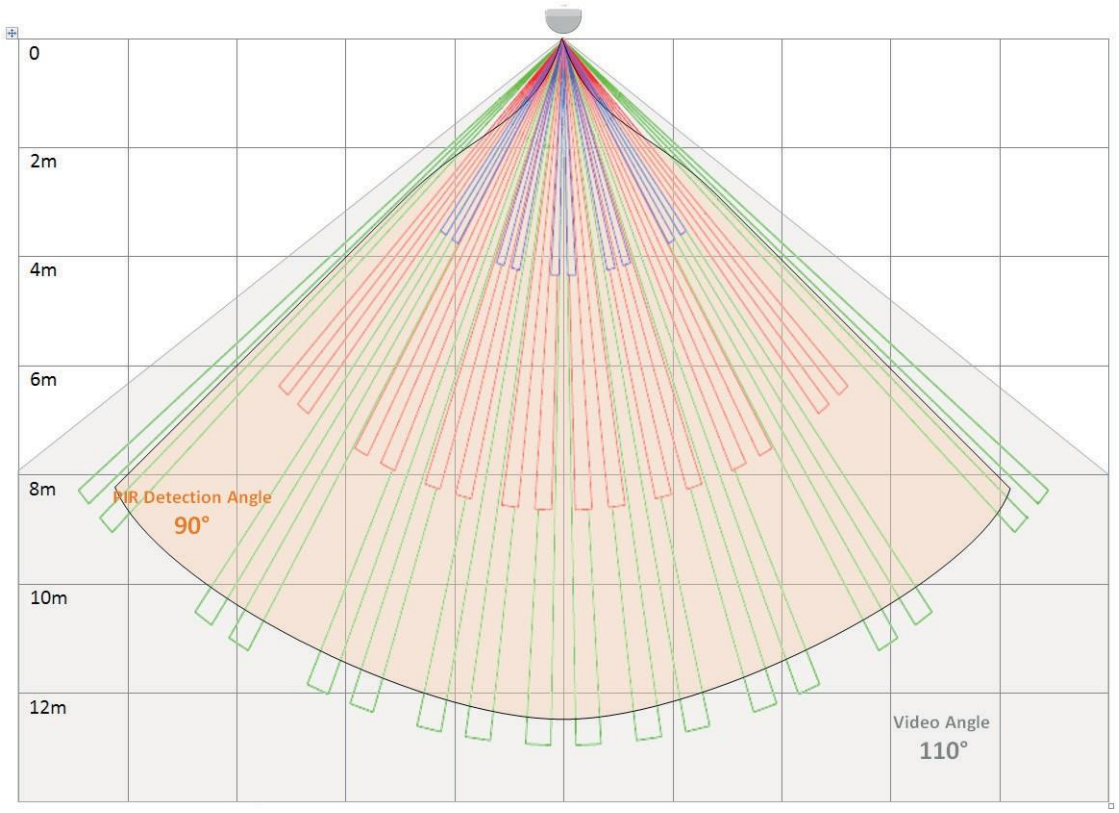
>Camera records color during the day and black and white at night.

>Supervised—transmits a 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 environment(estimated).

Detection Diagrams



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

English	Francais	Deutsch
> *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 the batteries!* > *Do not throw used batteries! Bring them to your installer or a collection point.*	> *Attention ! Il y a un risque d'explosion si l'une des piles utilisées est remplacée par une pile de type incorrect !* > *Respectez la polarité lors de la mise en place des piles !* > *Ne jetez pas les piles usagées ! Ramenez-les à votre installateur ou à un point de collecte spécialisé.*	> *Batterien vor jeglichen Wartungsarbeiten entfernen!* > *Vorsicht, es besteht Explosionsgefahr, wenn eine Batterie durch eine Batterie falschen Typs ersetzt wird!* > *Achten Sie beim Einsetzen der Batterien auf die Polung!* > *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 Video Technologies 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 règlementations 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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Properties

Panel Compatibility	XL, XLL, XL, XT, Visio
Power	
Nominal Voltage	3.6V
Low Battery Limit	3V
Battery type	SAFT, AA, Lithium, LS14500
Battery Quantity	2
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	8min
Antenna	Integrated
Camera	
Angle	110°
Sensor Type	CMOS
Daylight Vision	Programmable: Color or B&W
Night Vision	Automatic Infra-red B&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)
Resolution	QVGA (320x240)
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	
	Cover and Wall Tamper

Installation / Mounting

Mounting Height	2 to 2.3m / 6.5 to 7.5ft
Mounting on Wall	
On Flat Wall	With 2 x Screws
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 ULV0 - White
Dimensions	(LxWxD) 98x52x40mm
	(LxWxD) 3.86x2.05x1.57 Inches
Weight	60gr (2.12oz) (without batteries)

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