

Product Summary

The Indoor MotionViewer DCV601 is a wireless, indoor motion activated camera designed for use with Videofied security systems. The camera includes the following features:

- > Lithium batteries for long life.
- > Wide angle lens.
- > Infrared LED for night illumination.
- > Standard motion coverage lens (30 ft./9 m distance).
- > Dual tamper function provides detection of both wall and cover tamper.
- > Transmits check-in/status signal every 8 minutes.

Installation Guidelines

For easier installation, programming and RF testing should be done to check for good communication between the control panel and all system devices before mounting system devices.

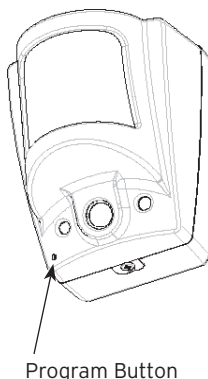
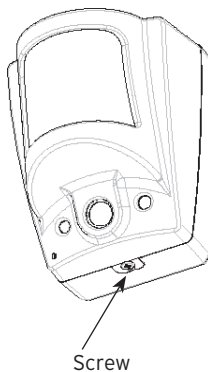
Install the detector and other system devices in the order of the following steps:

- > Programming/RF Testing - program detector and all other devices into the control panel and test RF communication from each intended device location to the control panel.
- > Mounting - mount detector at the tested location.

Programming/RF Testing

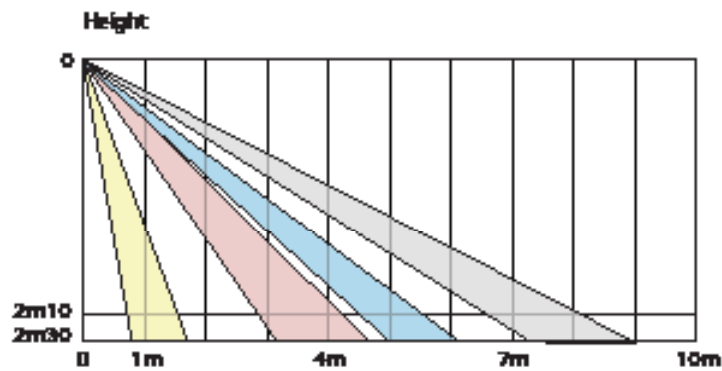
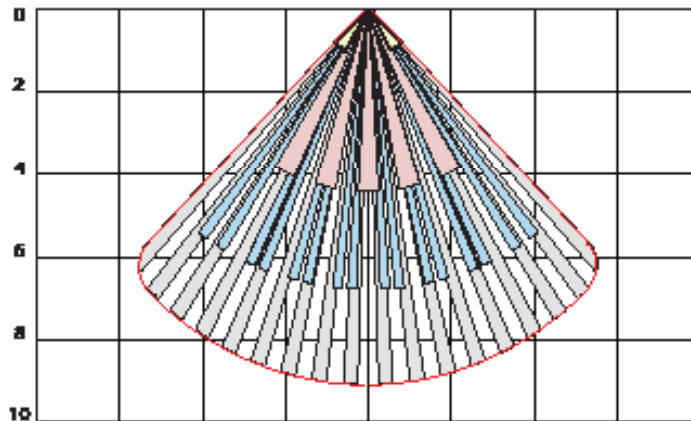
The following provides summarized steps for device programming and testing. For complete details, refer to the control panel installation manual.

- 1** Loosen bottom screw, separate base from camera and install batteries.
- 2** Re-attach base to secure tamper switch.
- 3** Put control panel into programming/configuration mode.
- 4** Using a programmed alphanumeric keypad, proceed through menus until the display shows ADD A NEW DEVICE.
- 5** Press **Yes**. The display shows PRESS PROGRAM BUTTON OF DEVICE.
- 6** Press and release program button on camera using a paper clip end. The camera LED flashes. Wait for keypad display to show CAMERA (1 - 25) PROGRAMMED.
- 7** Press **Yes**. The display shows RADIO RANGE TEST? Press **Yes** again. The camera LED starts flashing and keypad display shows TEST IN PROGRESS.



- 8** Take camera to its intended mounting location and make sure LED flashes continuously or you receive a 5/5 or 9/9 indicating good communication with the control panel.
- 9** Press **Yes** to end radio range test, then press **Esc/No**.
- 10** The display shows AREA ALLOCATION AREA: 1. Press either arrow button repeatedly until desired AREA number appears, then press **Yes**.
- 11** The display shows NAME + LOCATION. Enter appropriate device name/location (up to 16 characters), then press **Yes**. The display shows the device number and name for your verification.
- 12** Press **Yes**. The display shows FUNCTIONAL DEVICE TEST? Press **Yes** again and verify camera operation. For example, wave your hand in front of the sensor to activate its LED indicating detection. (walk test LED)
- 13** Press **Yes** to end detection verification.
- 14** The display shows ADD A NEW DEVICE? Repeat steps 1 - 14 for remaining cameras.
- 15** When finished, exit from configuration mode.

Sensitivity diagram at 2m30 height



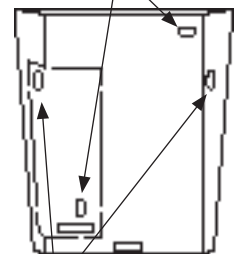
WARNING : Do not cover the Fresnel lens !

Mounting

- > Use proper tools and hardware.
- > Mount indoors in a temperature-controlled environment.
- > Mount camera 2.1 to 2.3 m (6.9 to 7.5 ft.) from the floor.
- > Mount detector on an outside wall, aimed at area to protect.
- > Do not aim detector at windows, especially those that let in direct sunlight, or at heat sources such as lamps, fireplaces, radiators, and heating vents.
- > Do not aim detector at moving objects such as curtains, fans or animals.

- 1 Separate base from camera.
- 2 Hold camera base against mounting surface and mark the two appropriate mounting holes.
- 3 Drill pilot holes and install anchors where needed.
- 4 Place base on mounting surface so holes line up with pilot holes/anchors and secure base with appropriate screws.
- 5 Install batteries into camera, observing correct polarity.
- 6 Attach camera to base and secure with screw.

Flat Wall Mounting Holes



Corner Mounting Holes

Electrical Data

Panel Compatibility	XI, Visio, XT, XTIP
Power requirements	Three 3.6 V Lithium batteries
Nominal Voltage	3V
Low Battery Limit	2.7V
Battery type	SAFT AA Lithium, LS14500
Battery life (estimated)	Up to 4 years
RF technology	S ² View®
Radio type	Spread Spectrum Bidirectional RF
Operating frequency	915 MHz (US)
Transmission security	AES algorithm encryption
Supervision	Panel polls devices every 8 minutes
Antenna	Integrated
Tamper detection	Wall and cover tampered
Camera sensor type	CMOS black and white
Camera resolution	320 x 240 pixels
Camera sensitivity	0.2 lux
Camera lens	Wide angle 85°
Camera response	less than 100 milliseconds after PIR detection
Video sequence in intrusion	5 frames/s for 10 seconds
Night illumination	2 infrared LEDs
Night illumination switching	Automatic
Night illumination distance	UP to 14 ft./ 4.5 m
Motion detector technology	Passive infrared DSP
Motion detector type	Dual element
Motion Lens	Fresnel
Motion Detection angle	85°
Motion Detection distance	Up to 40 ft./12 m
Motion Detection pattern	24 facets
Operating temperature	14° - 104° F (-10° - 40° C)
Maximum relative humidity	75%, non-condensing
UL Listings	FCC Part 15C 1023 (applied for)

Physical Data

Material	ABS-ULVO
Dimensions	(LxWxD): 3-1/2 in. x 2-3/4 in. x 2-3/4 in. (89 mm x 70 mm x 70 mm)
Weight	5.3 oz./150 g (without batteries)

Installation/Mounting

Camera/Base	One screw secures camera to base; two screws secure camera base to mounting surface, flat or corner mount.
Mounting Height	6.9-7.5 Feet (2.1-2.3 meters)

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.



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