Product Summary

The Outdoor MotionViewer Model DCV651 is a wireless, battery operated, outdoor motion activated camera designed for use in RSI Video Technologies security systems. Motion-activated cameras are intended for applications where video verification of intrusion alarms is necessary or desired.

> Lithium batteries for long life

> Wide angle lens

> Infrared LED for night illumination

> Standard motion coverage lens (40 ft./12 m distance)

> IP65 weather proof housing

> Low Temperature operation (-20°f to + 140°f)

> 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. Remove all 4 screws, separate base from camera and install batteries.

2. Put control panel into programming/configuration mode.

3. Using a programmed alphanumeric keypad, proceed through menus until the display shows ADD A NEW DEVICE.

4. Press **Yes.** The display shows PRESS PROGRAM BUTTON OF DEVICE.

5. Press and release program button on the MotionViewer. The camera LED flashes. Wait for keypad display to show CAMERA (1 - 25) PROGRAMMED.

6. Press **Yes.** The display shows RADIO RANGE TEST? Press **Yes** again. The camera LED starts flashing and keypad display shows RF TEST (#/5 or #/9).

7. 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. The display shows FUNCTIONAL DEVICE TEST? Press **Yes** 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 OPERATION COMPLETED or ADD A NEW DEVICE? Press **Yes** Repeat steps 1 – 14 for remaining cameras.

15. When finished, exit from configuration mode.

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PIR Detection Pattern
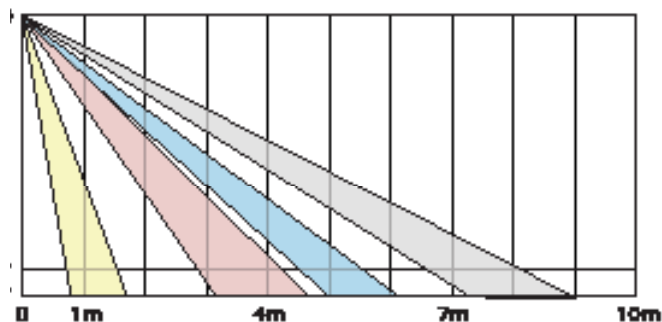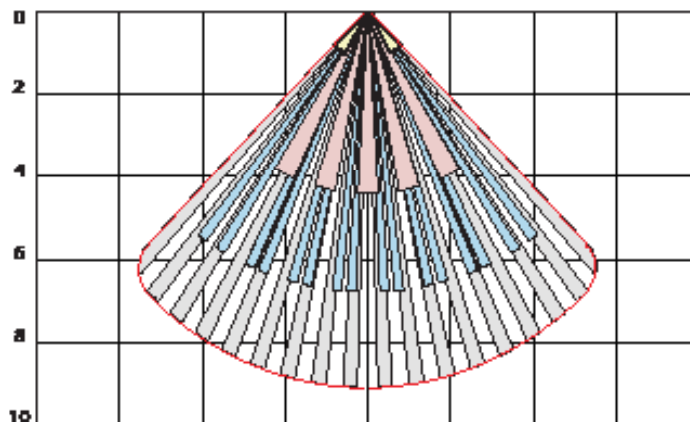
WARNING : Do not cover the Fresnel lens !

Mounting

> Use proper tools and hardware.

> Mount using 1/4'' x 20 thread mounting bracket only.

> Mount camera:

      Indoors: 7.5 to 9.8ft (2.3 to 2.9m).

      Outdoors: 8.2 to 9.8ft (2.5 to 2.9m)

> Mount detector 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 mount base against mounting surface and mark the appropriate mounting holes.

3 Place camera mount on mounting surface so holes line up with pilot holes/anchors and secure base with appropriate screws.

4 Thread the MotionViewer onto the mount
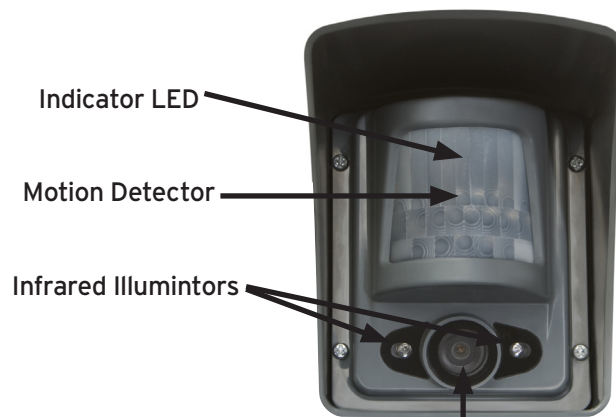
Device Layout

1/4" x 20 thread for mounting bracket

Cover Screws

Self protection of the camera

Program Button

Indicator LED

Motion Detector

Infrared Illumintors

Camera

Electrical Data

Panel Compatibility	XL, Visio, XT, XTIP
Power requirements	Three 3.6 V Lithium AA batteries
Nominal Voltage	3.6V
Low Battery Limit	2.7V
Battery type	SAFT Lithium AA LS14500
Battery life (estimated)	Up to 4 years
RF technology	S²View®
Radio type	Spread Spectrum Bidirectional
Operating frequency	915 MHz. (US)
Transmission security	AES encryption algorithm
Supervision	Panel polls devices every 8 minutes
Antenna	Integrated
Tamper detection	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 degrees
Camera response	less than 100 milliseconds
Video sequence in intrusion	5 frames/s for 10 seconds
Night illumination	2 infrared LEDs
Night illumination switching	Automatic
Night illumination distance	Up to 40 ft./ 12 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 depending on local environment and temperature.
Motion Detection pattern	24 facets
	9 main-40 ft./12 m
	8 intermediate-26 ft./8 m
	5 short-13 ft./4 m
	2 creep zones-4 ft./1.2 m
Operating temperature	-20° - +140° F (-30° - +60° C)
Maximum relative humidity	95%, non-condensing
UL listings	FCC Part 15C

Physical Data

Material	Polycarbonate UL94
Dimensions	(LxWxD): 4 in. x 3 1/2in. x 4 1/2 in. (101.6 mm x 88.9 mm x 114.3 mm)
Weight	9.2oz./260.8 g (without batteries)

Installation/Mounting

Unit/Base		Has a single thread for Gimble Mount (Sold Seperate)
Mounting height		
	Indoors	7.5 to 9.8ft. (2.3 to 2.9 m)
	Outdoors	8.2 to 9.8ft. (2.5 to 2.9m)

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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