

Description

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.

The DCV651 consists of a digital camera, a passive infrared motion detector, and S² VIEW spread spectrum, videofied interactive, encrypted wireless circuitry for secure two way communications with the control panel. The camera consists of a CMOS black and white sensor and an 85 degree, wide angle lens. Two infrared LEDs provide a night illumination distance of up to 30 feet/ 6 meters. For motion or movement detection, a Fresnel lens inside the cover captures up to a 40 foot wide, 85 degree angle passive infrared pattern depending on the temp and local conditions. The base allows for gimble arm mounting and waterproof casing. A tamper function provides cover tamper detection.

The MotionViewer is typically installed to secure outdoor areas where there is a temperature fluctuation and areas where broad viewing/detection coverage is needed. When the alarm system is armed and the motion detector senses motion or movement, the detector transmits a signal and activates the camera, which captures 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 and ambient temperature.

Features

- > S²View® –Spread Spectrum, Videofied, Interactive AES Encrypted Wireless technology provides optimum signal integrity and security.
- > Camera- CMOS black and white sensor with 85° wide angle lens and video resolution of 320 x 240 pixels.
- > Supervised–transmits a check-in/status signal to the panel every 8 minutes indicating tamper state and battery status.
- > Tamper- Provides cover-open tamper detection.
- > Lithium batteries- last at upto four years (estimated)
- > Night illumination- up to 30 feet/6 meters distance using two infrared LEDs
- > Motion detector- Dual-element, passive infrared with Fresnel lens up to 40 ft./ 12m wide 85 degree coverage.
- > Camera begins filming in fewer than 100 milliseconds after the PIR detects motion.
- > Camera is fully weatherproof and can withstand temperatures from -20° to 140° F (-30° -+65° C).



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	S ² View®
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 30 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	7.5 to 9.0 ft. (2.3 to 2.8 m)

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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