

ROUGHNECK™

V15CCM-IR-2 / V15CCM-IR-2IP / V15CCM-IR-2IP2 High-Security Corner-Mount Cameras



- Designed for use in prison cells; integrated housing, camera and lens; OSD menu for camera/lens settings
- High-resolution day/night camera with IR illumination; 2.5 mm wide angle lens
- High-security corner-mounted housing
- ViconNet MPEG-4 IP, H.264 and analog versions
- 24 VAC; IP versions with PoE
- Designed for easy installation and servicing
- FCC A compliant; CE

Overview

The Roughneck® V15CCM-IR-2 high-security camera is an integrated housing, camera, lens, and IR illuminators created specifically for use in custodial suites and prison cells. The V15CCM-IR-2IP is fully compatible with all ViconNet® systems and the V15CCM-IR-2IP2 is an open platform with H.264 compression version.

Construction and Installation

The housing is designed to fit into a corner where two walls and a ceiling meet. The camera has an adjustable mount so that it can be tilted slightly up or down to give the exact view.

The housing consists of a two part stainless steel assembly, a fixed mounting frame and a removable front plate. The front plate is recessed and secured to the fixed frame with Resistorx® security screws. The front plate has two 10 mm thick Perspex® windows to protect the camera and IR LED illuminators.

A secure access plate covers two connectors used to connect a portable monitor and hand-held keypad for setup.

The enclosure makes the camera housing easy to clean, and the two part construction makes for easy installation. Once installed, the mounting frame should be permanently sealed to the wall to make the housing ligature proof. The camera and all electronics are mounted on the removable front plate, avoiding the need to remove the mounting frame for servicing.

Camera and Optics

The V15CCM-IR-2 includes an integral camera and lens. The camera is high-resolution day/night; 24 IR LED illuminators are also provided. The 2.5 mm wide angle lens enables the camera to view the cell with no "blind spots." Camera/lens settings are performed using an OSD menu system. The menu system is accessed using the V15CCM-PK programming keypad.

Network Video Transmission

Compression:	MPEG-4 proprietary ViconNet, M-JPEG or H.264.
Video Streams:	10 concurrent streams maximum.
Video Resolution:	NTSC: 160 x 112 to 720 x 480. PAL: 160 x 134 to 720 x 576.
Frame Rate:	NTSC: 30 fps at 720 x 480. PAL: 25 fps at 720 x 576.
Video Bandwidth:	1.7 Mbps (per video stream), nom.

Analog Video Transmission

Maximum Transmission Distance:	Up to 3000 ft (915 m) at 12 AWG; varies according to wire size.
Video Output Impedance:	75 ohm.

Camera and Optics

Image Sensor:	1/3" Sony Super HAD II CCD.
TV System:	NTSC and PAL versions.
Camera Type:	Day/Night.
Signal to Noise Ratio:	50 dB (AGC off).
Horizontal Resolution:	600 TVL (B&W); 560 TVL (color).
Sensitivity:	Day: 0.01 fc (0.1 lux); Night: 0.001 fc (0.01 lux), @30 IRE, f/1.2.
Synchronization:	Internal/Line Lock selectable.
IR Illumination:	24 IR illuminators (890 nm with low visibility); light up to 33 ft (10 m); intensity adjustable.
Lens:	Focal Length: 2.5 mm. Horizontal Field-of-View: 104°. Vertical Field-of-View: 80°.
Camera/Lens Settings:	OSD menu provides settings for lens, BLC, AGC, sense up, white balance, day/night, motion detection and privacy masks. Use the V15CCM-PK keypad for programming.

Mechanical

Application:	Indoor, tamperproof.
Construction:	Enclosure: stainless steel. Window: Perspex acrylic.
Finish:	Brushed satin.
Mounting:	Designed to be mounted into a 90° corner. Front cover secured with security screws.
Camera Mounting:	Integral camera/lens module; adjustable tilt.
Dimensions:	15 in. (380 mm) x 12.6 in. (32 mm).
Weight:	3.5 lb (1.6 kg).

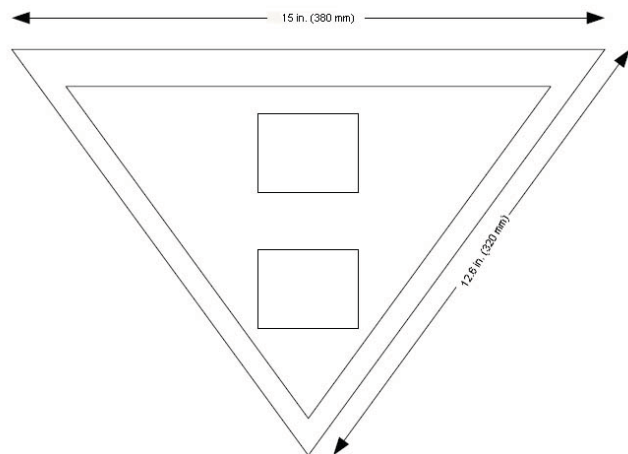
Data Sheet Number: V211
Dated: 09/2010

Vicon Data Sheet Number: 8009-7211-02-01
Specifications subject to change without notice.

Input Power:	24 VAC; PoE (IEEE 802.3af) on IP version.
Maximum Current @ 24 VAC:	Analog: 150 mA; ViconNet IP: 300 mA; H.264 IP: 400 mA.
Power Consumption:	Analog: 3.6 W. ViconNet IP: 7.2 W; H.264 IP: 9.6 W.
Connectors and Controls:	24 VAC Power: screw terminal. Video (analog): BNC. Ethernet/PoE (IP): RJ-45. Programming Keypad: RJ-45. Portable Monitor: BNC. IR Illuminator Brightness: adjustable potentiometer.

Environmental

Operating Temperature Range:	32 to 122° F (0 to 50° C).
Operating Humidity Range:	0 to 90% relative, non-condensing.
Approvals:	FCC Class A.
Warranty:	3 years.



Accessories

Description	Model Number
Programming keypad for camera/lens setup	V15CCM-PK

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