

ROUGHNECK™

V-CELL-P

High-Security Analogue Corner-Mount Cameras



- Heavy-duty stainless steel corner-mount housing designed specifically for prison cells
- Built-in IR LEDs (20m range)
- High-resolution day/night camera
- 2.5 mm wide angle lens covers the entire room
- Integrated microphone and speaker
- 24 VAC or 12 VDC
- Remotely activated privacy masks
- Impact-resistant IKIO certified

Overview

The Roughneck® V-CELL-P analogue camera integrates a high-resolution security camera, IR illuminators, speaker, and microphone into a heavy-duty stainless steel housing created specifically for use in custodial suites and prison cells.

The enclosure is water-resistant and designed to make the camera housing easy to clean. 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.

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 security screws. The front plate has two acrylic windows to protect the camera and IR LED illuminators.

A secure access plate can be removed to give installers easy access to controls and to attach an analog output for use with portable monitors.

Camera and Optics

The 600 TVL day/night camera's performance is enhanced with 36 IR LED illuminators that can be adjusted to provide complete coverage in all lighting conditions. The 2.5 mm lens enables the entire room to be viewed with no blind spots.

The camera can be programmed through a remote control that accesses an OSD menu system.

Analogue Video Transmission

Maximum Transmission Distance:	Up to 3000 ft (915 m) at 12 AWG; varies according to wire size.
Video Output Impedance:	CVBS 1.0V p-p, 75 ohm.

Camera and Optics

Image Sensor:	1/3" Sony Super HAD II CCD. 2:1 interlace scanning system.
TV System:	NTSC and PAL versions.
Camera Type:	Day/Night.
Signal to Noise Ratio:	50 dB (AGC off).
Horizontal Resolution:	640 TVL (B&W); 600 TVL (color).
Sensitivity:	Day: 0.01 fc (0.1 lux); Night: 0.003 fc (0.03 lux) IR Off, 0.0 fc (0.0 lux) IR On @50 IRE, f/1.2.
Synchronization:	Internal/Line Lock selectable.
IR Illumination:	36 IR illuminators (940 nm with low visibility); light up to 66 ft (20 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 camera title, BLC, AGC, DNR, HDR, sense up, white balance, day/night, digital zoom, digital image stabilization, sharpness, digital image effects, motion detection and privacy masks. Use the V-CELL-REM joystick for programming.

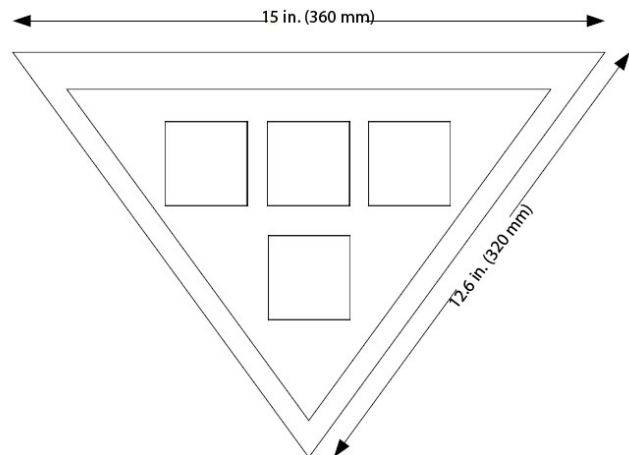
Mechanical

Application:	Indoor, tamperproof.
Construction:	Enclosure: stainless steel. Window: acrylic; IR, 5 mm; camera, 6 mm.
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. (320 mm).
Weight:	3.5 lb (1.6 kg).

Input Power:	24 VAC or 12 VDC; PoE (IEEE 802.3af) on IP version.
Maximum Current @ 24 VAC:	0.23 A
Power Consumption:	5.5 W
Indicators, Connectors and Controls:	Status LED: Indicates video/audio recording; can be turned On or Off. Power: Red LED. Network: Green LED. 24 VAC/12 VDC Power: screw terminal. Video: BNC. Alarm In/Out: screw terminal. Audio In/Out (mic/spkr): screw terminal Portable Monitor/Remote Control: DIN. IR Brightness: 3-position switch.

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; CE; UL; CUL (with back cover).
Warranty:	3 years.



Accessories

Description	Model Number
Remote control	V-CELL-REM
Back cover (required for CUL)	V-CELL-BACK

Data Sheet Number: V247

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Specifications subject to change without notice.

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