VICONNET
IP Video Solutions

- **State-of-the-art IP Camera Dome transmits high quality video across the network for remote viewing and recording**
- **Powered by ViconNet software**
- **Maximum video transmission rate of 30 fps (25 fps PAL) at 720 x 488 pixels (4 CIF) (864 x 586 PAL)**
- **Uses optimized proprietary compression based on MPEG4 that maximizes data size and picture quality**
- **Simultaneous transmission of multiple channel video across the LAN and WAN (Internet) to connected Kollector Elite recorders and ViconNet NVRs**
- **Can be remotely configured from Kollector Elite recorders and ViconNet NVR**

The Roughneck IP Series of Impact-Resistant Camera Domes is a powerful IP video source for a complete digital video management system based on ViconNet software platform. It is fully compatible with all ViconNet systems and is remotely managed and controlled from ViconNet NVR workstations and Kollector Elite recorders. It can deliver up to 30 fps at a total nominal bandwidth of 1.5 Mbps at Q5 (320 x 240 pixels).

Equipped with a 100 Mbps LAN interface board, the camera allows direct plug-in to a network switch. Images received from the IP camera and the other external cameras connected to its external inputs can be displayed, recorded or archived like any other ViconNet video component using the ViconNet management platform.

The Roughneck IP Camera Dome provides up to 4 CIF resolution (720 x 488) at 2 levels of compression, Normal (optimized) MPEG4 and Full (JPEG). ViconNet utilizes an MD5 video authentication algorithm used to identify data integrity. In addition, video from the IP Roughneck supports museum search, motion detection, alarm reporting, macros and alarm configuration through the ViconNet software interface.

The Roughneck offers high-security cameras in a compact domed housing. They are available for indoor/outdoor applications. Tamper-resistant screws make the unit resistant to vandalism. The Roughneck V910 series has an integral camera with an isolated power input, high-resolution color or day/night, with a choice of lenses. The camera accepts 24 VAC and also features line lock capability. The camera mount offers adjustment to any view required. A heater and smoked polycarbonate lower dome are included.
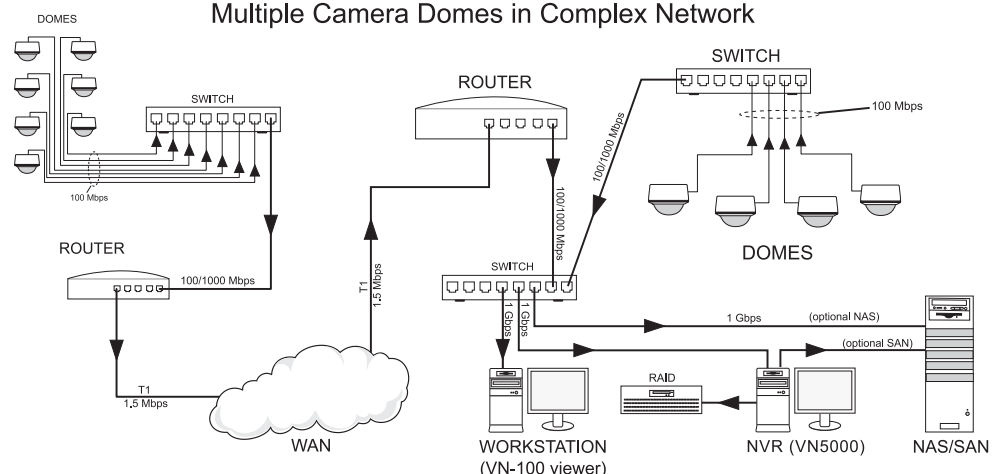
World Headquarters
Hauppauge, New York
631-952-CCTV (2288)
800-645-9116

European Headquarters
Fareham, PO 15 5TX
United Kingdom
+44 (0) 1489 566300

Brussels Office
Zaventem
Belgium
+32 (2) 712 8780

Hong Kong Office
Shatin
New Territories
852-2145-7118

Multiple Camera Domes in Complex Network

- Number of cameras - Multiple on multiple sites
- Network bandwith - Each switch to its limit (as shown above), constrained only by the WAN (T1 @ 1.5 Mbps)
- Storage method - Local workstation hard drive, SCSI attached RAID or NAS/SAN storage
- In the basic configuration, workstation recording capability is approximately 25 cameras

Model Descriptions

Model Number	Product Code	Nominal Bandwidth (Mbps)	Video Transmission Rate (fps)	Capture Resolution	Camera/ Lens	Housing Types
V910VFV-CA/-C V910AV-DN/-C V910VVF1-CA/-C V910VFF-CA/-C	8387-24/23, 8389-24/23, 8454-24/23, 8456-24/23	1.5 per video stream (max 5 streams per dome)	1 channel @ 30 fps (max).	540 horizontal TV lines max @ 720 x 488 (4 CIF)	Color or Day/Night/ Varifocal or Fixed-Focal-Length with autoiris	Outdoor, Ceiling, Wall, Surface Mount, In-Ceiling

TECHNICAL INFORMATION

ELECTRICAL
Input Voltage:	24 VAC ±20%, isolated.
Current:	Nominal: 0.8 A.
	Max: 0.9 A.
Power Consumption:	Nominal: 19.2 W.
	Max: 28.8 W.
Vicon Power Supplies:	V248-600PS.

VICONNET (IP)
Communication Hardware:	ViconNet Digital Video Management System.
LAN Interface:	100 MBPS, TCP/IP Unicast.
Number of Channels:	1, over LAN connection.
Video Quality:	ViconNet software quality 1-8, selectable on an 8-position bar with 2 compression level settings.

OPERATIONAL
Tilt and Horizontal Adjustment:	3-axis adjustment, pan, tilt and roll.

VIDEO CHARACTERISTICS
Image Device:	Color: 1/3-inch ExView™ interline transfer CCD. Day/Night: 1/4-inch interline transfer CCD.
Synchronization In:	Internal/Line-locking with vertical phase.
Gain Control:	Automatic (AGC), ON/OFF.
Backlight Compensation:	ON/OFF select.
Electronic Iris:	1/60 (1/50)-1/100,000. ALC (AI)/ELC (EE) select.
Lenses:	Varifocal or fixed-focal-length with autoiris.

SOFTWARE
Network Setup:	Standard network protocol type using IP addressing scheme and separate PC application software.
Site Authorization:	Camera dome can be setup using remote recorder or workstation.
Macro Create & Edit:	System macros can configured to use the dome's video.
Alarm Setup:	Can be triggered on video motion detection and loss.
Authentication:	Can be set to view the symbol A on displayed video.
Picture Quality and FPS Priority:	Can prioritize recorded picture quality and video FPS.

MECHANICAL
Dimensions:	Diameter: 6.1 in. (155 mm).
	Height: 5.1 in. (130 mm).

ENVIRONMENTAL
Operating Temperature:	Outdoor: -10 to 140ºF (-23 to 60ºC).
Wind Load:	Heavy rain or snow driven by winds up to 80 mph.