



- **State-of-the-art IP Camera/Digital Video Server transmits high quality video across the network for remote viewing and recording**
- **Powered by ViconNet version 3 software**
- **Transmission of up to 4 digital video channels, 3 external analog inputs in addition to camera**
- **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 optimizes data and maximizes picture quality**
- **Simultaneous transmission and remote configuration of multiple channel video across the LAN and WAN to connected Kollector Elite recorders and ViconNet NVR workstations**

The VN-755IP 4-Channel Camera/Server 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. The IP camera/server provides 4 video channels, 3 external analog video inputs in addition to the camera itself. As a single-channel IP camera, the VN-755IP delivers up to 30 fps of high-quality video across the network.* The camera provides a total nominal bandwidth of 1.7 Mbps at Q5 (360 x 244 pixels).

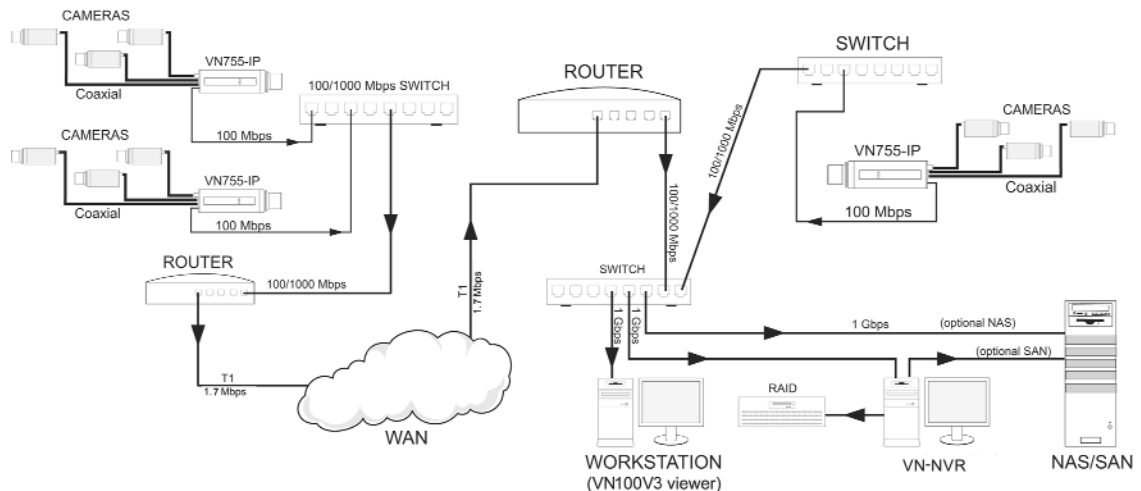
The VN-755IP produces DVD level quality video with a maximum capture resolution of 720 x 488 (Ver. 3.0) and is equipped with a 100 Mbps LAN interface board that the camera/server allows direct plug-in to a network switch archived on ViconNet NVRs. The VN-755IP has 4 levels of video resolution, Frame, Field, CIF and HCIF, with 2 levels of compression, Normal (optimized) MPEG4 and Full (JPEG).

ViconNet utilizes an MD5 video authentication algorithm used to identify data integrity. In addition, the IP camera/server supports museum search, motion detection, alarm reporting, macros and alarm configuration through the ViconNet software interface.

The VN-755IP combines excellent picture quality with advanced features. Digital Signal Processing(DSP) control offers crisp lines and detail reproduction. All controls and connectors are conveniently located. Multiple cameras can be synchronized using the line-lock function. A fully isolated power input provides stable images when the VN-755IP is used on a common power supply with other cameras.

**30 fps with no analog cameras connected; max of 15 fps with additional external cameras connected.*

Multiple Servers in Complex Network



- Number of IP cameras - Multiple on multiple sites
- Number of video channels - Multiple
- Network bandwidth - Each switch to its limit (as shown above), constrained only by the WAN (T1 @ 1.7 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

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Model Descriptions

Model Number	Product Code	Nominal Bandwidth (Mbps)	Video Transmission Rate (fps)	Capture Resolution	Sensitivity	Controls
VN-755IPV3 (NTSC)	8475-24	1.7 per video stream (max 10 streams per server)	Single-channel server, 30 fps 4 channels @ 15 fps, max	480 horizontal TV lines max @ 720 x 488 (4 CIF)	0.05 footcandles (0.5 lux)	DIP Switch selectable settings
VN-755IPV3-C (PAL)	8475-23	1.7 per video stream (max 10 streams per server)	Single-channel camera, 30 fps 4 channels @ 15 fps, max	480 horizontal TV lines max @ 720 x 488 (4 CIF)	0.05 footcandles (0.5 lux)	DIP Switch selectable settings

Technical Information

ELECTRICAL

Input Voltage: 24 VAC±10%.
 Current: 700 mA nominal, 3A max.
 Power Consumption: 17 W nominal, 72 W max.
 Vicon Power Supplies: S24PS, V2448-175PS, V248-600PS, V2416-600PS.

VICONNET (IP)

Communication Hardware: ViconNet Digital Video Management System.
 LAN Interface: 100 MBPS, TCP/IP Unicast.
 Number of Channels: 4, over LAN connection (1 internal and 3 external).
 Video Quality: ViconNet software quality 1-4, selectable on a 4-position bar with 2 compression level settings.

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.

VIDEO CHARACTERISTICS

Image Device: 1/3-inch interline transfer CCD.
 Synchronization In: Line-locking with vertical phase.
 Gain Control: Automatic (AGC), ON/OFF.
 Backlight Compensation: AGC hi-gain (turbo) ON/OFF.
 Electronic Iris: ON/OFF select.
 Lenses: 1/60 (1/50)-1/100,000.
 ALC (AI)/ELC (EE) select.
 Accepts DC drive (CS-G) lenses; 4-pin molded connector.

MECHANICAL

Dimensions: Height: 2.4 in. (60 mm).
 Width: 2.9 in. (74 mm).
 Length: 7.1 in. (181 mm).
 Lens Mount: C or CS mount.
 Mounting: 1/4-20 threaded hole, bottom and top.

ENVIRONMENTAL

Operating Temperature: 32 to 122°F (0 to 50°C).

