

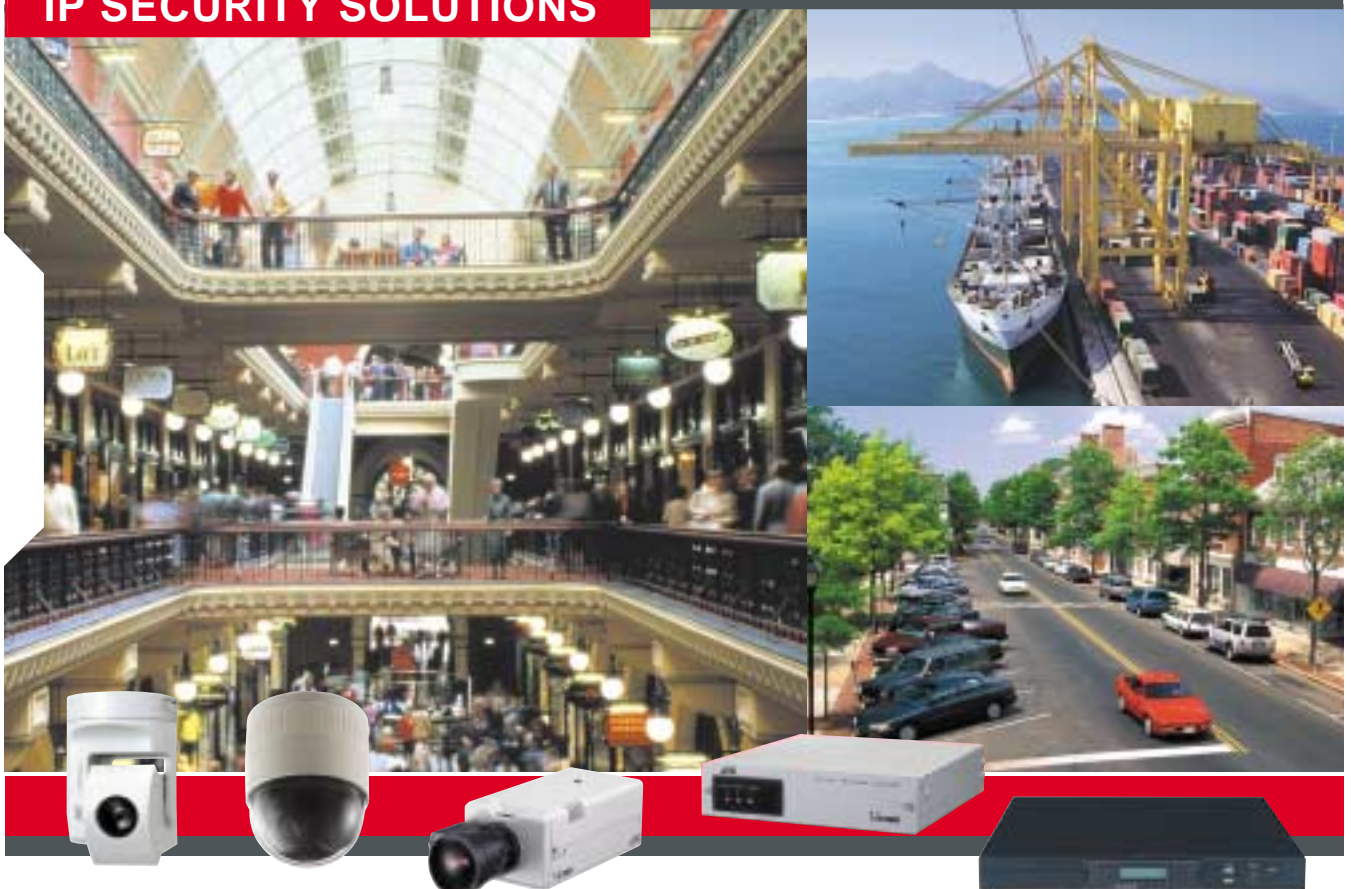
JVC®

The Perfect Experience / —
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NETWORKS

Visual Network System

IP SECURITY SOLUTIONS



JVC's IP Security Solutions. Easy Digital Monitoring of Worldwide Facilities, Anywhere from Multiple Locations.

- Fully IP Based Surveillance System.
- Broad Selection of IP Products including Fixed Camera, PTZ Camera, Dome Camera, Encoder, and Integrated Network Video Recorder. Easy Interfacing with Analog Cameras using the Encoder.
- Compatible with a Wide Variety of Systems Ranging from Small-scale Multi-Viewer Systems to Enterprise Systems Centered on the Integrated Network Video Recorder*.
- Easy Access to Live and Archived Video from Anywhere, at Anytime*.
- All IP Cameras are Connected to Camera-only Channels to Minimize Impact on Existing Networks*.
- One Mouse Click Configures Cameras on the Network*.
- Single IP Address to View and Control Thousands of IP cameras*.
- Existing Analog Equipment can be Used to Save on Investment Costs.

**Using Integrated Network Video Recorder (VR-N100U)*

VR-N100U

INTEGRATED NETWORK
VIDEO RECORDER

Use in combination with IP cameras
to manage, record, and secure digital
video over an Ethernet IP network

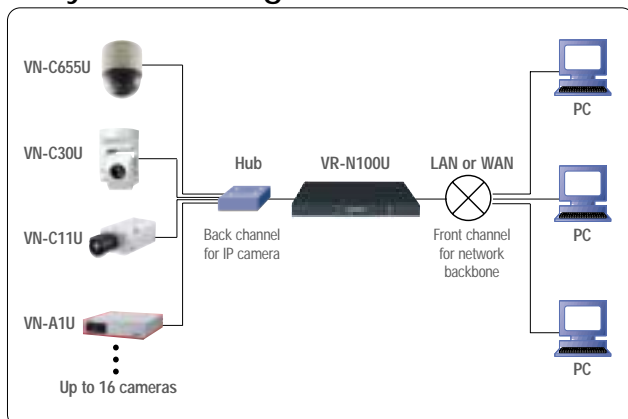
NEW



■ Features

- Integrated Network Video Recorder and IP Camera Management
- Easy Access to Live and Archived Video from Anywhere and Anytime
- Records 16 Cameras at 30fps in High Resolution
- One Click Network Camera Configuration via DHCP
- One IP Address Supports Thousands of IP Cameras, Even in Remote Locations
- Video Digitized Immediately for Less Signal Loss
- Manages the Camera's Access to Network Preserving Scarce Bandwidth
- Storage of 600GB or 1,320GB Available (4x HDDs in RAID-Set)
- Control via Dedicated Software, Microsoft® Internet Explorer or Netscape® Browser
- Interfaces with IT Industry Standard Hardware

■ System Configuration



■ Enterprise Client Management Software



Sample screen of local and remote network monitoring

■ Specifications

HARDWARE

- 19" 1U rack mount chassis
- X1 server motherboard with CPU/Fan/RAM/OS/APP
- LCD/LED display
- 4x HDDs (RAID-set, 5th HDD optional)
- A single static IP address can support thousands of IP Cameras
- Dual 10 BASE-T/100 BASE-TX network interface card
- SCSI for upcoming RAID expansion rack
- PCI slot for upcoming video lifecycle management implementation
- Power requirement: AC 120V, 0.5A
- Dimensions (L x W x H): 22-13/16" x 16-3/4" x 1-3/4" (579 x 425 x 44 mm)
- Weight: 25.0 lbs. (11.3 kg)
- Operating Temperature: 32°F to 104°F (0°C to 40°C) <Storage>: <4°F to 140°F (-20°C to 60°C)>
- UL60950-1, TÜV/GS, FCC Part 15 Subpart B Class A

SOFTWARE

License for 16 Cameras

- Automatic camera discovery and configuration
- Software RAID
- 24/7 operation
- Simultaneous real-time recording at 30fps
- Video motion detection (Camera must support)
- Pan/Tilt/Zoom (Camera must support)
- Random access search
- Customized setting for each camera

Windows® Enterprise client management software

- Unlimited license
- Unlimited customized software multiplexer switch
- Unlimited VR-N100U and camera support

VN-C655U

NETWORK
DOME CAMERA

High-performance 25x zoom camera for network-based 24/7 surveillance

NEW



Features

- 1/4" Hi-Resolution Inter-line Transfer CCD with 380,000 Effective Pixels
- 25x Optical Zoom Lens and 10x Electronic Zoom
- Up to 30fps Motion-JPEG in VGA Mode (640x480)
- Extended Dynamic Range (ExDR): High-speed shutter for bright areas, normal exposure for dark areas combined to create a single, well-balanced image
- Super-LoLux™ Sensitivity: 0.6lux in Color Mode, 0.06lux in B&W Mode
- Day/Night Operation with Mechanical IR Cut Filter ON/OFF (Auto, Alarm, Timer selectable)
- 360-Degree Endless Rotation
- Auto Patrol, Auto Pan, Auto Tour
- 100 Pre-set Positions
- AC 100 – 240V (AC Adapter included)/DC 18V Power Supply
- Auto Focus
- Privacy Mask
- Motion Detection*
- 3-level Password Protection: User/Operator/Administrator
- Internet Connectivity*: Web Server, FTP Server/Client



* Scheduled for version upgrade in March 2005.

Options

- Pendant Mount
- Outdoor Housing
- Wall Mounting Bracket
- Ceiling Bracket
- Ceiling Recessed Housing

Specifications

CAMERA	
Signal format	NTSC
Image device	1/4" interline transfer CCD
Effective pixels	380,000 pixels, 768 (H) x 494 (V)
Scanning frequencies	Horizontal 15.734 kHz, Vertical 59.94 Hz
Sensitivity	
In Color	2.0 lux (AGC 20dB, 50% video, wide end) 0.6 lux (AGC 20dB, 25% video, wide end) 0.07 lux (AGC 20dB, 50% video, wide end, 32x slow shutter)
In B/W	0.06 lux (at F1.6, AGC 20dB, 50% video, wide end)
Dynamic range	Max. 400x
White balance	TTL Auto Tracking/Manual
Electronic shutter	1/60, 1/100, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/10000 sec.
Slow shutter	32x
Backlight compensation	4 photometry areas selectable
LENS	
Zoom ratio	Approx. 25x optical, 10x electronic
Zoom range	3.8 mm to 95 mm
Maximum aperture	F1.6 (WIDE) to F3.7 (TELE)
Auto focus	Easy AF/One Push AF
MOVING MECHANISM	
Preset positions	100
Panning range	360° endless rotation
Panning speed	1"/sec. to 300"/sec.
Tilting range	0° to 90°
Tilting speed	1"/sec. to 180"/sec.
NETWORK	
Network interface	10BASE-T/100BASE-TX
Communication protocol	TCP/IP, UDP/IP, HTTP*, FTP*, ICMP, ARP, DHCP, NTP
Image compression	JPEG (7 levels)
Picture resolution (Pixel)	640 x 480, 320 x 240
Frame rate	Max. 30fps
Internal storage capacity	8MB (RAM)
Data transmission	Multicast/Unicast
Access protection	Password (3 levels)
Viewing	JVC controller software (Included)
GENERAL	
Outer cover	Clear
Alarms	Input x 2, Output x 2
Power supply	AC 100 – 240V (AC Adapter included)/DC 18V
Power consumption	1.4 A (max.)
Operating temperature	-20° C to 50° C (-4° F to +122° F) with optional housing
Dimensions	ø6 x 7-13/32 inches (152mm diameter x 180mm height)
Weight	Approx. 4.9 lbs. (2.2kg)
SYSTEM REQUIREMENTS for JVC CONTROL SOFTWARE	
Operating system	Windows® 2000 Pro (SP1 or later)/ Server (SP1 or later) Windows® XP Pro/Home edition
CPU	Pentium® III 500MHz or higher (3.2GHz or higher recommended)
Memory	128MB or more (1GB or more recommended)
Hard disk space	20MB or more
Display/video card	1024 x 768 pixels or more, True Color (24bit or 32bit), (128MB or more VRAM recommended)

Additional IP cameras that can be connected to the network



VN-C11U

NETWORK CAMERA



■ Features

- MPEG4/JPEG
- Pre/Post Alarm Recording
- Motion Detection
- Multi-Casting
- Monitor Out

■ Specifications

Image sensor:	1/3" CCD, 380,000 pixels
Compression:	JPEG/MPEG4
Resolution:	160x120, 320x240, 640x480
Lens:	Optional C/CS mount lens
Focus:	Manual
Protocol:	UDP/IP, TCP/IP, HTTP, FTP, DHCP, ICMP, ARP, RTP, RTSP, NTP
Alarm I/O:	Input x 2, output x 1
Interface:	10BASE-T/100BASE-TX, video out
Memory:	16MB internal
Power requirement:	DC12V / AC24V 1.2A (Max)
Dimensions(H x W x D):	2-17/32" x 2-25/32" x 5-3/4" (64.5 x 71 x 146mm)
Weight:	19.8 oz (560g)

VN-C30U

NETWORK CAMERA



■ Features

- MPEG1/JPEG
- 15x Optical Zoom
- Pan/Tilt
- Alarm In/Out
- Web Server

■ Specifications

Image sensor:	1/4" CCD 380,000 pixels
Compression:	JPEG/MPEG1
Resolution:	160x120, 320x240, 640x480
Lens:	Optical 15x (4.1mm - 61.5mm)
Focus:	Auto/Manual
Pan/Tilt:	Pan +160° to -160°, Tilt 0° to -90°
Protocol:	UDP/IP, TCP/IP, HTTP, FTP, DHCP, ICMP, ARP, NTP
Alarm I/O:	Input x 2, output x 1
Interface:	10BASE-T/100BASE-TX
Power requirement:	DV12V 2.0A (Max.)
Dimensions(H x W x D):	6-17/32" x 4-1/8" x 4-1/8" (166 x 105 x 105mm)
Weight:	28.2 oz (800g)

VN-A1U

NETWORK ENCODER



■ Features

- JPEG
- Pre/Post Alarm Recording
- Motion Detection
- Multi-Casting
- External Device Control via RS-422/RS-232C

■ Specifications

Compression:	JPEG
Resolution:	160x120, 320x240, 640x480
Protocol:	UDP/IP, TCP/IP, HTTP, FTP, DHCP, ICMP, ARP
Alarm I/O:	Input x 2, Output x 1
Interface:	10BASE-T/100BASE-TX, RS-422/485, RS-232C, Video in/out
Memory:	2MB internal / Compact Flash (up to 512MB)
Power requirement:	DC12V / AC24V 700mA ±70%
Dimensions(H x W x D):	1-9/16" x 7-9/32" x 7-15/32" (40 x 185 x 190mm)
Weight:	38.8 oz (1,100g)

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