JVC®
The Perfect Experience

30 VGA fps | **Easy Day/Night** | **PoE** Power over Ethernet | **PROGRESSIVE OUTPUT**

Power over Ethernet Surveillance Camera with High-Resolution Images for Versatile Monitoring and Security Applications

Shown with optional lens

- High picture quality with Progressive output (JVC IP conversion)
- Versatile monitoring and camera control capability
- 1/3" high-resolution CCD with 380,000 effective pixels
- Full frame rate Motion-JPEG at VGA/QVGA switchable
- PoE (Power over Ethernet: IEEE 802.3af) for easy installation with single LAN cable connection or AC 24 V power supply

- Built-in viewer for monitoring/capturing camera images on PC
- Pre/Post alarm buffer
- Reliability with professional design
- Fully featured security monitoring camera
  - Hybrid with both analog and IP output
  - Easy day/night function
  - Automatic gain control (AGC) on/off
  - Backlight compensation (BLC) on/off
  - Automatic tracking white balance (ATW) and manual modes

http://www.jvc-victor.co.jp/english/pro/vnetworks/index-e.html

Easy-to-Use, Reliable Monitoring System with Quick Installation and Built-in Multi-Function Viewer

■ Features

Progressive output (High quality IP conversion)
JVC's IP conversion technology interpolates interlace video images to improve the quality equivalent to progressive images.

1/3 type IT CCD with 380,000 effective pixels
The high-resolution 1/3 type Interline Transfer CCD with 380,000 effective pixels reproduces superbly detailed images in true color.
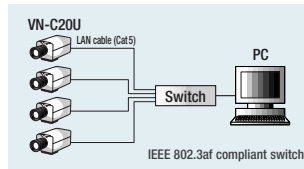
Full frame rate Motion-JPEG (VGA)
Produces high-quality images in the Motion-JPEG format with resolution of up to 640 x 480 pixels and a maximum frame rate of 30 fps.

Easy installation with PoE (Power over Ethernet)
Simply connect with a LAN cable on the Ethernet network and the camera is activated and can be controlled via connected PCs.
*PoE enabled switch or power injector is required for PoE operation.

Motion detection function
Alarms can be activated based on motion within a defined area. Motion detection can also start video recording on a connected computer.

Easy day/night function
Provides higher sensitivity under low illumination. When the Easy day/night is set to ON, minimum illumination is 0.4lx F1.2 (25IRE).

Other Features
- Built-in Web server
- Multicasting capability
- FTP client/server function
- Alarm input x 2 / output x 2
- 10Base-T/100Base-TX/FULL/HALF/ auto negotiation
- Compatible with JVC free software "VN-RS800U"

Viewing
• Built-in viewer

By installing the VN-C20U's built-in viewer on your PC, streaming camera images can be monitored with the Internet Explorer. Snapshot recording, alarm signal reception, and various settings are also possible with the viewer.

Notes:
• The VN-C20U's built-in viewer does not have a recording function.
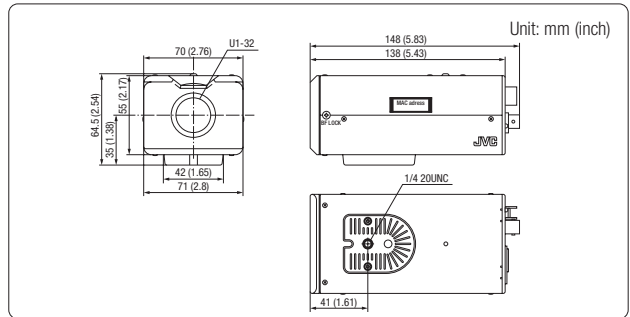
Enhanced Interface

Initial setup is easily achieved by Internet Explorer. Various operating parameters can be similarly adjusted.
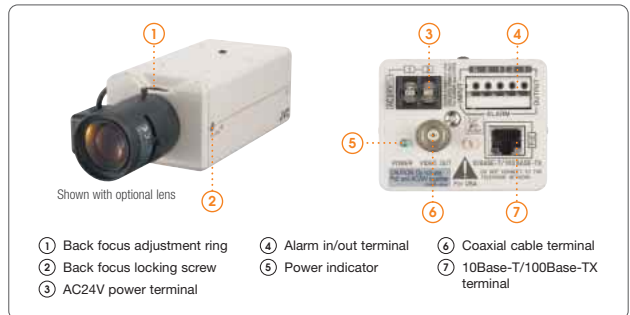
• Camera setting
Settings for camera ID, iris, AGC, white balance, Easy day/night, etc.

• Encoding setting
Settings for frame size, picture quality, frame rate, etc.

• Alarm setting
Settings for up to 5 actions when there is an alarm.

■ Dimensions

Unit: mm (inch)

■ Controls, conectors and indicators

Shown with optional lens

① Back focus adjustment ring
② Back focus locking screw
③ AC24V power terminal
④ Alarm in/out terminal
⑤ Power indicator
⑥ Coaxial cable terminal
⑦ 10Base-T/100Base-TX terminal

■ Specifications

Camera	
Image device	1/3 type IT CCD
Number of effective pixels	380,000 (768H x 494V)
Minimum illumination (typical)	
Color mode:	2.5 lx, F1.2, AGC on, 50 IRE (50% video)
	1.0 lx, F1.2, AGC on, 25 IRE (25% video)
B&W mode:	1.0 lx, F1.2, AGC on, 50 IRE (50% video), Easy day/night on
	0.4 lx, F1.2, AGC on, 25 IRE (25% video), Easy day/night on
S/N ratio (typical)	50 dB, AGC off
Horizontal resolution (typical)	480 TV lines (analog video out), 400 TV lines (network)
Lens mount	C/CS
White balance	ATW/Manual
Easy day/night	Yes (on/off)

Video/Encode	
Video output	Composite video signal (NTSC): 1.0 V(p-p), 75 ohms (BNC)
Video compression	JPEG (7 level compression)
Image size	VGA/QVGA
Frame rate (max.)	VGA 30 fps
<requirement>	<30 KByte, Motion detection off>
Motion detection	Yes
Constant bit rate	Yes
Pre/Post alarm buffer	Yes (8 MB)

General	
Alarms	Input x 2, Output x 2
Power supply	PoE (Power over Ethernet, IEEE802.3af compliant) /AC 24 V
Power consumption	0.5 A (max.)
Operating temperature (recommended)	0 °C to 40 °C (32 °F to 104 °F)
Dimensions (W x H x D)	70 mm x 55 mm x 138 mm (2-7/8" x 2-5/8" x 5-7/8")
Weight	560 g (1.24 lbs.)

Network	
Network interface	RJ-45, 10Base-T/100Base-TX auto negotiation
LAN	IEEE802.3/IEEE802.3u/IEEE802.3af
Protocol	TCP/IP, UDP/IP, HTTP, FTP, ICMP, ARP, DHCP, NTP, SMTP, DSCP
IP filter (deny/allow access from specified IP)	Yes
Access protection	3 level passwords
Multicast	Yes

System Requirement (recommended)	
OS	Windows® XP Pro (SP2)/Home (SP2)
Web browser	Internet Explorer ver. 6.0
CPU	Pentium® 4, 1.5 GHz
Memory	1 GB
HDD space	20 MB
Display/video card	1,024 x 768 pixels, True color (24-bit or 32-bit) VRAM 256 MB

DISTRIBUTED BY

Design and specifications subject to change without notice.

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■ Hachioji Business Centre of Victor Company of Japan, Ltd. has received ISO14001 Certification for environmental management and ISO9001 Certification for quality assurance management.