V.NETWORKS

progressive Scan **30 VGA fps** **IR Cut filter* Day|Night**

PoE Power over Ethernet **DUAL STREAM** **A Bi-Directional udio** *

*VN-V26U only

Two-Way Audio Communication and Reliable Day/Night Function for Versatile Monitoring and Security Applications

BF LOCK

V.NETWORKS

■ **1/4" Progressive Scan CCD**
For sharper, clearer images without any flicker even for moving images

■ **MPEG-4/Motion JPEG Full-Frame Dual Stream**
Simultaneous distribution of MPEG-4 and Motion JPEG VGA images at full frame rate (30fps for each stream)

■ **Bi-Directional Audio Support (VN-V26U)**
Two-way audio communication is possible with a built-in mic and as well as audio output

■ **Day/Night Function with IR Cut Filter (VN-V26U)**
Automatic switching between day and night modes for reliable round-the-clock surveillance

■ **Effective Backlight Compensation**
Easy Wide-D Function provides clear images even in backlit situations

■ **Privacy Mask for Protecting Intrusive Monitoring**
Free shape and unlimited number of masked areas can protect subjects from invasion of privacy

■ **PoE for Saving Installation and Cable Costs**
Built-in PoE (Power over Ethernet) allows the camera to be activated through a LAN cable connection.

■ **Easy Setup and Viewing with Built-in Tools**
Web-based setup tools and a viewer are built into the camera

Product photos shown with optional lens

1/4" Progressive Scan CCD for Clear, Precise Images

The VN-V25U/V26U's progressive scan images are optimal for monitoring on LCD or TFT monitors. You can obtain clear images without distortion even for moving objects.
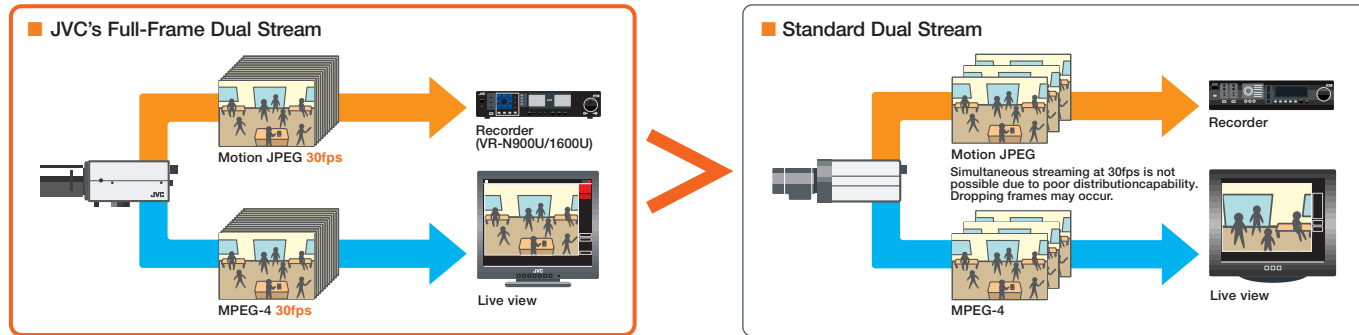
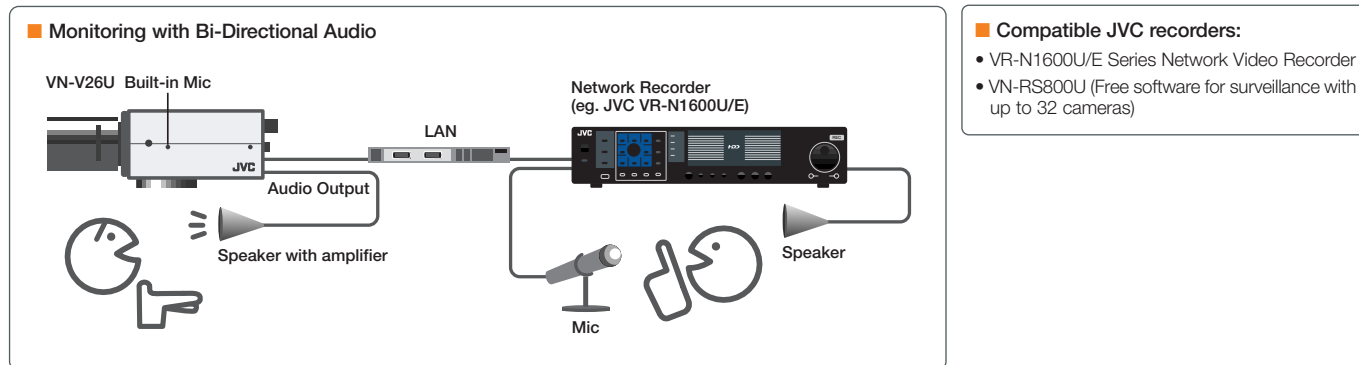VN-V25U/V26U Progressive Scan

Interlaced Scan

MPEG-4/Motion JPEG Full-Frame Dual Stream

The VN-V25U/V26U can stream both MPEG-4 and Motion JPEG images simultaneously at the full frame rate (30 fps for each stream). MPEG-4 distribution is ideal where monitoring with smooth, high frame rate images is required within a limited bandwidth. And Motion JPEG images are useful when you need to record images as evidence data because of the high quality still pictures it can provide.

■ JVC's Full-Frame Dual Stream

Motion JPEG **30fps**

Recorder
(VR-N900U/1600U)

MPEG-4 **30fps**

Live view

■ Standard Dual Stream

Motion JPEG
Simultaneous streaming at 30fps is not possible due to poor distributioncapability. Dropping frames may occur.

Recorder

MPEG-4

Live view

Bi-Directional Audio Support (VN-V26U)

The VN-V26U incorporates a built-in mic and an audio output for bi-directional audio communication. So in addition to viewing the camera spot, you can listen in on the area from a monitoring room. With an external speaker attached, you can speak to or emit an alarm sound for visitors. A more advanced monitoring system with the capability of conversation and warning can also be configured.

■ Monitoring with Bi-Directional Audio

VN-V26U Built-in Mic

Network Recorder
(eg. JVC VR-N1600U/E)

LAN

Audio Output

Speaker with amplifier

Mic

Speaker

■ Compatible JVC recorders:
• VR-N1600U/E Series Network Video Recorder
• VN-RS800U (Free software for surveillance with up to 32 cameras)

Day/Night Function with IR Cut Filter (VN-V26U)

For more assured day/night security applications, the VN-V26U features an IR Cut Filter which automatically switches ON or OFF according to the level of ambient light. In daytime it outputs a high-quality color image, and at night the filter mechanism removes the IR filter to output black-and-white images with greater sensitivity. With the VN-V25U, there's the Easy Day/Night Function which automatically engages color mode when objects are bright, and B&W mode when it is very dark.

Easy Wide-D Function for Backlight Compensation

The VN-V25U/V26U's Easy Wide-D function is equivalent to the conventional Wide Dynamic Range function, allowing pictures to be adjusted to identify details of the subject even in backlit conditions.

Normal picture

Adjusted with Easy Wide-D

Privacy Mask for Protecting Intrusive Monitoring

You can protect subjects from invasion of privacy by masking certain areas of the screen. Mask areas can be specified using bitmap-format overlay data. Positions and shapes of areas can be freely set and number of areas are unlimited.

Without Privacy mask

With Privacy mask

Images are explanatory purposes and are not actual images attained using this product.

PoE for Saving Installation and Cable Costs

Built-in PoE (Power over Ethernet) allows the camera to be activated through a LAN cable connection. The PoE function not only reduces cost for installation and power units, but also enables uniform management of the power supply and easy response in case of a power failure in conjunction with UPS devices. (IEEE 802.3af supported)

Easy Setup and Viewing with Built-in Tools

Setup of the VN-V25U/V26U can only be done with Internet Explorer. Since all necessary tools are built into the camera unit, just access the camera via a PC and the setup tools and viewer tool will be available on screen. With the built-in viewer, a variety of operations including snapshot and alarm reception are possible. (Recording is not possible with the viewer.)

Set-up screen

Built-in Viewer

Compact Design

The VN-V25U/V26U is 20% smaller than a conventional JVC box-type camera. In addition, thanks to the inner tripod base, it can be installed into an even smaller housing.
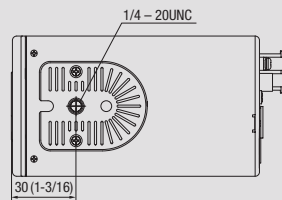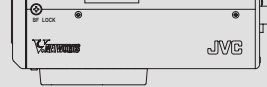
Lowest Operating Temperature of -10°C

The VN-V25U/V26U can be used in a wide range of environments. Its operable temperature range is from -10°C to 50°C (14°F to 122°F). No special housing is necessary for installation even when switching from an existing CCTV system.

Other Features

- Motion Detection
- NTSC/PAL Monitor Output (only for setup)
- FTP/Client Function
- Multicasting Capability

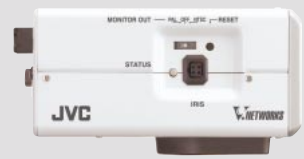|	
Frame rate and streaming	Up to 30fps per each stream of Motion JPEG and MPEG-4 in 640x480 resolution simultaneously (Full frame dual stream)
Image settings	Compression levels: VFS 7 steps, AFS 10KB-100KB (Motion JPEG) / Bit rate adjustable (MPEG-4) Monitor type Other settings: AGC, BLC, White level, Black level, Gamma, Enhance, Color level, Shutter speed, Day/Night Overlay capabilities: Time, Date, Text (Camera ID), Privacy mask, Motion Detection
Audio (VN-V26U only)	Two-way (full/half duplex) or one-way Built-in microphone Mono audio output (line level) connector Audio compression: μ-law 64 kbps, AD/DA 16bits Fs=8kHz
Access protection	3 levels password, IP address filtering, HTTPS encryption (for setting)
Shutter speed	2 sec to 1/10000 sec
Max. clients	20 simultaneous users, Unlimited users by multicast
Alarm/Event management	Events triggered by built-in motion detection, external inputs or according to schedule. Image upload over FTP, e-mail Notification over TCP, UDP, e-mail and external outputs Pre- and post- alarm buffer of up to 8MB (approx. 2min. of 640x480 at 3 fps / JPEG stream)
Connectors	RJ-45 for Ethernet 10Base-T/100Base-TX Terminal block for 2 alarm input, 2 output RCA for Monitor out (for setup only) Alternative power connection Mini jack dia. 3.5 mm for mono output (VN-V26U only)
Power	24 VAC (50Hz/60Hz), 0.35A or 48 VDC (PoE), 115mA (5.5W)
Operating temperature	-10°C to 50°C/14°F to 122°F (0°C to 40°C /32°F to 104°F recommended)
Installation and maintenance	Web based setting tool, Camera search tool, Firmware update over HTTP
Minimum web browsing requirements	Windows XP Pro (SP2)/Home (SP2), IE6.0, Pentium4 (1.5GHz), 1GB memory Display and video card: 1024x768 True color (24bit or 32bit) 256MB VRAM
System integration support	Open API for application integration, ActiveX Viewer, QoS, Embedded Linux operating system
Supported protocols	TCP/IP, UDP/IP, FTP, ICMP, ARP, DHCP, SNTP, HTTP, DSCP
Video management software/hardware (not included)	VR-N900U/1600U/1600E: JVC Network video recorder for viewing, recording and archiving up to 9/16 cameras. VN-RS800U: JVC free video management software for viewing, recording up to 32 cameras (JPEG stream only)
Dimensions (WxHxD)	65mm x 63mm x 126 mm (2-9/16" x 2-1/2" x 5")
Weight	VN-V25U: 480g (1.06lbs) VN-V26U: 530g (1.17 lbs)

1/4 – 20UNC

30 (1-3/16)

Unit: mm (inch)

Audio Out (VN-V26U only)

Rear Side

Left Side

Built-in mic (VN-V26U only)

Right Side