

JVC®

The Perfect Experience / —

FIXED IP DOME CAMERA VN-C205U

Easy to Install Network Camera with CF Card Slot, 30fps Motion-JPEG (VGA Mode) and Easy Day/Night Features

30 **VGA**
fps

NETWORKS
Visual Network System

Easy Day/Night

Plug & Play Network-based 24/7 Surveillance and Alarm Triggered CF Card Recording



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

- 540 TV lines of horizontal resolution (video output only)
- Up to 30 fps Motion-JPEG in VGA mode (640 x 480)*
- 1/4" high-resolution Interline Transfer CCD with 380,000 effective pixels and integrated 10-bit DSP
- Super Lolux™ sensitivity and Easy day/night function: 1.5 lx (color mode), 0.9 lx (B&W mode)
- Built-in f = 2.6 mm to 6.0 mm variable focal length lens with auto iris
- Parameters (e.g. AGC, iris) are setup via dip-switch on the camera
- Internet connectivity: Web server, FTP server/client or JVC client software
- Full featured security camera
 - Fully hybrid with both analog and IP output**
 - Motion detection function
 - CF memory card slot for local alarm recording***
 - Automatic gain control on/off
 - Backlight compensation (BLC) on/off
 - Auto/manual white balance
 - Fits standard 6" electrical box for easy installation
 - AC 24V/DC 12V power supply

*Depends on the file size and/or object. Web browsers cannot support 30 fps.

**Without Line lock function

***May not be compatible with certain CF cards; use of industrial version CompactFlash cards that JVC recommends.

Offering Quick Installation and Simple Setup, this Plug & Play Fixed IP Dome Camera Provides Reassuring 24-hour Surveillance.

Versatile enough to answer diverse user requirements, the VN-C205U offers a number of superior features such as Motion-JPEG network recording and high-resolution analog recording, as well as alarm-trigger recording with a CF card.

1/4" high-resolution IT CCD

The high-resolution 1/4" Interline Transfer CCD with 380,000 effective pixels reproduces superbly detailed images in true color.

30 fps Motion-JPEG (VGA)

The VN-C205U produces high-quality images in the Motion-JPEG format with a resolution of up to 640x480 pixels and a maximum frame rate of 30 fps. Any computer can be used to monitor and record the video stream.

Easy setup and installation

The VN-C205U uses an industrial standard 6" electrical box adapter that is easy to install, helping to reduce overall installation costs.

Easy focus adjustment

Automatic iris override allows for accurate focus adjustment under difficult lighting conditions especially for low-light conditions.

CF card slot

The VN-C205U features a CF card slot that works in conjunction with the alarm function to allow automatic recording onto a CF card before or after the alarm triggers. JVC recommends the use of industrial version CF cards ranging from 128 MB to 1024 MB.*

*Depends on the file size and/or object. CF card cannot record 30 fps.

Motion detection function

Alarms* can be activated based on motion within a defined area. Motion detection can also start video recording on an internal CF memory card or on a connected computer.

*The camera must be connected to alarm devices such as an annunciator, indicator, lamp or buzzer.

Backward compatibility with double analog outputs

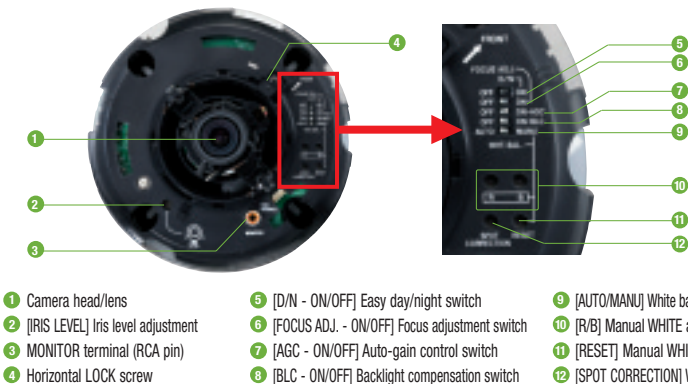
In addition to being a superb IP network camera, the VN-C205U is a true hybrid camera, with high resolution analog outputs* for use with existing analog recording systems. An additional front-mounted RCA video output is convenient for initial camera setup.

*Without Line lock function

Accessories

- Readme first x1
- Service information card x1
- CD-ROM x1
- Template x1
- Warranty card x1

Controls, Connectors and Indicators



- 1 Camera head/lens
- 2 [IRIS LEVEL] Iris level adjustment
- 3 MONITOR terminal (RCA pin)
- 4 Horizontal LOCK screw
- 5 [D/N - ON/OFF] Easy day/night switch
- 6 [FOCUS ADJ. - ON/OFF] Focus adjustment switch
- 7 [AGC - ON/OFF] Auto-gain control switch
- 8 [BLC - ON/OFF] Backlight compensation switch
- 9 [AUTO/MANU] White balance automatic/manual switch
- 10 [R/B] Manual WHITE adjustment button
- 11 [RESET] Manual WHITE reset button
- 12 [SPOT CORRECTION] White-spot correction button

Refer to the user manual for instructions on how to connect a LAN cable

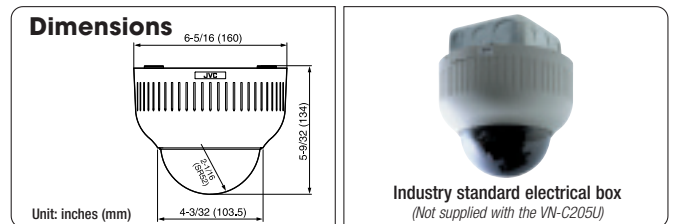
Specifications

Camera	
Image device	1/4" IT CCD
Number of effective pixels	380,000 (768H x 494V)
Scanning frequency	15.734 kHz (H), 59.95 Hz (V)
Video output***	Composite video signal: 1.0 V (p-p), 75 ohms (BNC)
Monitor output Front side	Composite video signal: 1.0 V (p-p), Hi-Z (RCA)
Horizontal resolution (type)	540 TV lines (video output only)
Minimum illumination (type)	
Color mode	3.0 lx (F1.2, AGC on, 50IRE*, wide end) 1.5 lx (F1.2, AGC on, 25IRE*, wide end) 2.0 lx (F1.2, AGC on, 50IRE*, Easy D/N, wide end) 0.9 lx (F1.2, AGC on, 25IRE*, Easy D/N, wide end)
B & W mode	
White balance	ATW / Manual (switchable)
<ATW temp. range>	<2,300K to 10,000K>
AGC	on/off
Focus adjustment	on/off
Backlight compensation	on/off
Lens	
Focal length	2.6 mm to 6.0 mm (variable)
<Angle of vision>	<82° (H) x 59° (V) to 35° (H) x 26° (V)>
Max. aperture ratio	F1.2 (wide) to F1.8 (tele)
Angle adjustment range	Horizontal: 120° / Vertical: +80° -50° / Tilt: ±15°
General	
Power supply	AC 24 V (50 Hz / 60Hz)/DC 12 V
Power consumption	800 mA
Operating temperature	0°C to 40°C (32°F to 104°F)
Weight	2.2 lbs. (1.0 kg)
Network	
Network interface	RJ-45 (Cat 5), 10 Base-T / 100 Base-TX (auto negotiation)
Protocol	TCP / IP, UDP / IP, HTTP, FTP, ICMP, ARP, DHCP, NTP
Picture	Resolution (pixel): 320 x 240, 640 x 480 Compression: JPEG (7 levels)
Frame rate	30 fps (max.) in 640 x 480
Internal storage capacity	8 MB (RAM) or CF card slot (option)**
Data transmission	Multicast / Unicast
Access protection	3 level passwords
View through	JVC controller software / Web browser (I.E. 5.x / 6.x)
System requirements (recommended)	
OS	Windows® 2000 server (SP1 or later) / Pro (SP1 or later) Windows® XP Pro / Home (SP1 or later)
CPU	Pentium® IV 3.2 GHz or higher
Memory	More than 1 GB
HDD space	More than 20 MB
Display/video card	More than 1,024 x 768 pixels, true color (24-bit or 32-bit)

*IRE is used in the same meaning as video level.

**Use of industrial version CF cards that JVC recommends.

***Without Line lock function.



Regulatory standard: UL60950; FCC Part 15, Class A; ICES-003, Class A

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