

JVC®

The Perfect Experience / —
/

NETWORK DOME CAMERA **VN-C655U**

High-resolution Indoor/Outdoor Network Camera with 25x Zoom, 30fps at VGA Mode (640x480) and Day/Night Features

30 VGA
fps

V.NETWORKS
Visual Network System

**High-performance
25x Zoom Camera for
Network-based 24/7
Surveillance**



- 1/4" Hi-Resolution Interline 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
- 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 24V (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.*

25X Optical Zoom, Day/Night, and Removable IR Cut Filter Ensure Optimum Performance Around the Clock

The JVC VN-C655U Network Dome Camera is the industry's first full function dome camera with built-in web server*.

*Scheduled for version upgrade in March 2005

1/4" IT CCD with 25x Optical Zoom

A high-resolution 1/4-inch interline transfer CCD with IR cut filter captures scenes in realistic color, while the zoom functions (25x optical + 10x electronic) provide excellent detail when and where it is needed.



Extended Dynamic Range (ExDR)

Bright areas of a scene are shot with a high-speed shutter while dark areas receive normal exposure. Both sets of data are then combined to create a single, well-balanced image with light and dark areas perfectly exposed – another JVC innovation that makes a visible difference.

Super LoLux™ Sensitivity & Nighttime Shooting

Even with light levels of just 0.6 lux, the VN-C655U can shoot high-quality color pictures thanks to Super LoLux™ technology. And at night the mechanical IR cut filter can be automatically retracted for infrared imaging (monochrome), making the camera sensitive enough to shoot in just 0.06 lux of ambient light.

Versatile Camera Control

Highly sophisticated control of camera movements is enabled with such features as 360-degree endless panning and Auto Flip (ensuring no blind spots), variable pan/tilt speeds, Auto Pan and Auto Patrol with 100 pre-set positions, Privacy Mask (to protect selected areas from intrusive monitoring), and Auto Tour (to replay manual camera operations). The VN-C655U can be controlled via the JVC VN-S400U Software or VR-N100U Network Video Recorder and Client Software.



30fps Motion-JPEG (VGA)

The high-quality images are output as Motion-JPEG format with resolution up to 640x480 pixels and a maximum frame rate of 30fps. Any computer on the network can be used to monitor and store this video stream, and a future upgrade to add Internet capability to the VN-C655U will allow remote access from virtually anywhere in the world.

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) 0.06 lux (at F1.6, AGC 20dB, 50% video, wide end)
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 24V (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)

*Scheduled for version upgrade in March 2005

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

Options

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

Super LoLux is a trademark of Victor Company of Japan, Limited (JVC).
All other brand or product names may be trademarks and/or registered trademarks of their respective owners.

Design and specifications subject to change without notice.



DISTRIBUTED BY



■ The Hachioji Plant of Victor Company of Japan, Ltd., has received ISO14001 and ISO9001 Certifications under the global standard for environmental management.