

JVC®

The Perfect Experience

NETWORK DOME CAMERA VN-C655U(B)

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

30VGA
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: 0.6 lx in Color Mode, 0.06 lx 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 Preset Positions
- AC 24V (AC Adapter included)/DC 18V Power Supply
- Auto Focus
- Privacy Masking
- Motion Detection
- Distribution Control Setting
- 3-level Password Protection: User/Operator/Administrator
- Internet Connectivity: Web Server, FTP Server/Client

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

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

1/4" IT CCD with 25x Optical Zoom

A high-resolution 1/4" 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 lx, the VN-C655U(B) 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 lx 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 preset positions, Privacy Masking (to protect selected areas from intrusive monitoring), and Auto Tour (to replay manual camera operations).



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(B) will allow remote access from virtually anywhere in the world.

Distribution Control Setting

The bit rate (32kbps to 8Mbps) can be set by turning the Distribution Control setting on. This allows the camera to maintain the preset frame rate (max. 30fps*) and file size by automatically changing the compression level according to the bit rate.

* Max. 30fps may not be obtained depending on the file size.

Specifications

CAMERA	
Image device	1/4" interline transfer CCD
Effective pixels	380,000, 768 (H) x 494 (V)
Scanning frequencies	Horizontal 15.734 kHz, Vertical 59.94 Hz
Sensitivity	
In Color	2.0 lx (F1.6, AGC 20dB, 50% video, wide end) 0.6 lx (F1.6, AGC 20dB, 25% video, wide end) 0.07 lx (F1.6, AGC 20dB, 50% video, wide end, 32x slow shutter)
In B & W	0.06 lx (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 dome 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 (152 mm diameter x 180 mm 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 (24-bit or 32-bit), (128MB or more VRAM recommended)

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

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