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

30fps VGA

V.NETWORKS
Visual Network System

High-performance 25x Zoom Camera for Network-based 24/7 Surveillance
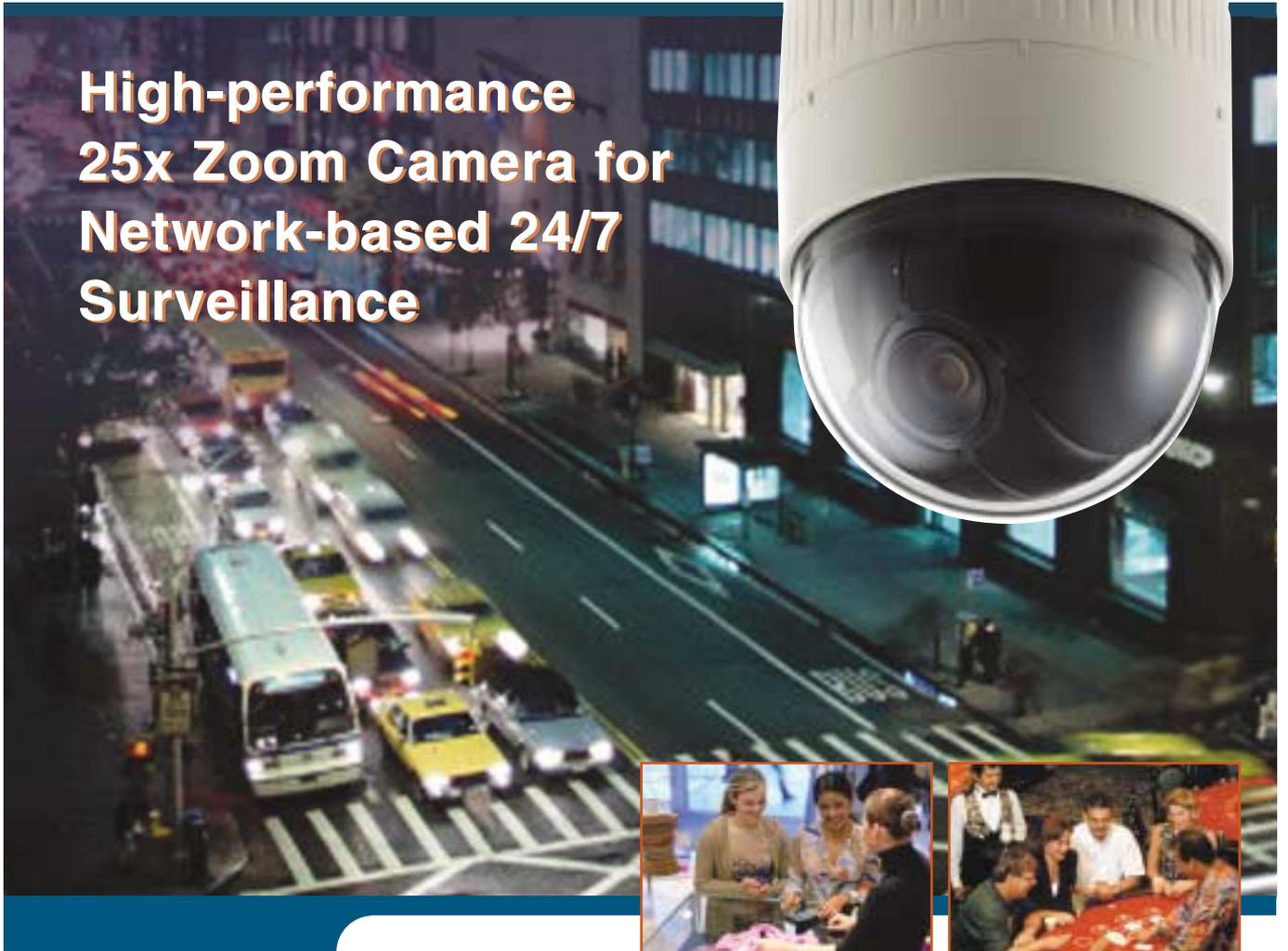
- 1/4-inch Hi-Resolution Interline Transfer CCD with 380,000 Effective Pixels
- 25x Optical Zoom Lens and 10x Electronic Zoom
- Up to 30fps Motion-JPEG in VGA Mode (640x480)
- Extended Dynamic Range
- Super-Lolux Sensitivity: 0.6lux at Color Mode, 0.06lux at B&W Mode
- Day and Night Operation with Mechanical IR Cut Filter: ON/OFF, Auto, Alarm, Timer
- 360° Endless Rotation

- Auto Patrol, Auto Pan, Auto Tour
- 100 Pre-set Positions
- AC 24V (AV 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*.

1/4-inch 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

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° 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 Trace (to replay manual camera operations).

360°

The VN-C655U can be controlled via the JVC VN-S400U Software or VR-N100 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 inch interline transfer CCD	
Effective pixels	380,000 pixels, 768 (H) x 494 (V)	
Scanning frequencies	Horizontal 15.625 kHz, Vertical 50 Hz	
Horizontal resolution	480 TV lines (typical, analog video out)	
Sensitivity		
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)	
B/W wit IR light	0.06 lux (at F1.6, AGC 20dB, 50% video, wide end)	
Dynamic range	50dB	
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/Output x 2	
Power supply	DC 18 V (AC-Adapter included)	
Power consumption	1.4 A (max.)	
Operating temperature	-20° C to 50° C (-4° F to +122° F) with optional environmental housing	
Dimensions (diameter)	152 mm	
Weight (net, approximate)	2.2 kg	
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)	
UL standard	60950	
FCC class	Part 15, Class A	

*Scheduled for version upgrade in March 2005

● Options

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

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