



Feature-rich IP camera domes with PTZ directly transmit high-resolution video across the ViconNet network

- State-of-the-art IP Camera Dome transmits high quality video across the network for remote viewing and recording
- Powered by ViconNet software
- Maximum video transmission rate of 30 fps (25 fps PAL) at 720 x 488 pixels (4 CIF) (864 x 586 PAL)
- Uses optimized proprietary compression based on MPEG-4 that maximizes data size and picture quality
- Can be remotely configured from Kollektor network recorders and ViconNet NVR workstations
- Indoor/outdoor, vandal-resistant and pressurized options
- High-resolution of 540 TV lines (23X/35X models) and enhanced autofocus
- 23X version features noise reduction (DNR) and enhanced sensitivity; 35X features progressive scan and EIS (image stabilization)

The SurveyorVFT™ IP Camera Dome is a powerful IP video source for use within a ViconNet® video management system. It may be remotely managed and controlled from ViconNet NVRs and Kollektor® network DVRs delivering up to 30 fps at a nominal bandwidth of 1.7 Mbps at Q5 (360 x 244 pixels).

A pre-installed 100 Mbps LAN interface board allows direct plug-in to a system network switch. Images received from the IP dome can be displayed, recorded or archived like any other ViconNet video and audio component using the ViconNet management platform.

The ViconNet dome utilizes an MD5 type video authentication algorithm which is based on a 128-bit message used to identify data integrity. Viewing authenticated video can be configured from the software. In addition, video from the SurveyorVFT supports museum search, motion detection, alarm reporting, macros and alarm configuration.

SurveyorVFT IP Camera Dome System is a compact, lightweight and intelligent security device comprised of a camera, pan/tilt drive, receiver and CPU-based electronics all in an attractive and covert enclosure. It is available in a variety of indoor and outdoor versions and can be configured with a variety of camera and lower dome types.

Corporate Headquarters
89 Arkay Drive
Hauppauge, New York 11788
631-952-CCTV (2288)
800-645-9116
Fax: 631-951-CCTV (2288)

Vicon Europe Headquarters
Brunel Way
Fareham, PO15 5TX
United Kingdom
+44 (0) 1489 566300
Fax: +44 (0) 1489 566322

Vicon Germany GmbH
Kornstiege 3
D-24537 Neumuenster
Phone: +49 (0) 4321 8790
Fax: +49 (0) 4321 879 97

Far East Office
Unit 5, 17/F, Metropole Square
2 On Yiu Street, Shatin
New Territories
Hong Kong
(852) 2145-7118
Fax: (852) 2145-7117

www.vicon-cctv.com

Technical Specifications

ELECTRICAL

Drive Type:	Electrical motorized pan and tilt with electronic control.
Camera Types:	Color or day/night (NTSC/PAL); variety of zoom and features.
Input Voltage:	18-32 VAC.
Max. Current (@ 24 VAC):	Indoor: 1.4 A. Outdoor: 2.3 A.
Power Consumption:	Indoor: 34 W. Outdoor: 54 W.

VICONNET (IP)

Communication Hardware:	ViconNet Digital Video Management System.
LAN Interface:	100 Mbps, TCP/IP Unicast.
Number of Channels:	1, over LAN connection.
Video Quality:	ViconNet software quality 1-8, selectable on a 4-position bar with 2 compression level settings.

OPERATIONAL

Video Pan View:	360°.
Video Tilt View:	-2.5° to 92.5°.
Pan Speed:	Variable, 0.1 to 360°/sec (120°/sec in 22X).
Autopan Speed:	Variable, 0.1 to 42°/sec.
Tilt Speed:	Variable, 0.1 to 150°/sec (90°/sec in 22X).
Zoom/Focus Speed:	Less than 1.8 sec end to end.
Sectoring:	16 max, programmable.
Presets:	79, programmable.

SOFTWARE

Network Setup:	Standard network protocol type using IP addressing scheme and separate PC application software.
Site Authorization:	Camera dome can be setup using remote recorder or workstation.
Macro Create & Edit:	System macros can configured to use the dome's video.
Alarm Setup:	Can be triggered on video motion detection and loss.
Authentication:	Can be set to view an Authentication symbol (A) on displayed video.
Picture Quality and FPS Priority:	Can prioritize recorded picture quality and video FPS.

MECHANICAL

Dimensions:	Indoor Ceiling Diameter: 7.1 in. (180 mm). Height: 9.7 in. (246 mm). Indoor Pendant Diameter: 8.0 in. (203 mm). Height: 10.0 in. (254 mm). Outdoor Pendant Diameter: 9.0 in. (228 mm). Height: 10.3 in. (262 mm). Lower Dome Diameter: 5.9 in. (150 mm).
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ENVIRONMENTAL

Operating Temperature:	Indoor: 32 to 132°F (0 to 55°C). Outdoor: -29 to 165°F (-34 to 74°C).
IP Rating:	Outdoor: IP66. Indoor Pendant: IP52. In-Ceiling: IP51

Model Descriptions

Model Series	Product Code	Nominal Bandwidth (Mbps)	Video Transmission Rate (fps)	Transmission Resolution	Total Zoom	Housing Types
22X Cost-Effective Color	8741-55/56, 8742-55/56, 8743-55/56	1.7 per video stream (max 10 streams per dome)	1 channel @ 30 fps max.	480 horizontal TV lines max @ 720 x 488 (4 CIF) pixels	264X	Indoor, Outdoor, Ceiling, Pendant, Maximum Security
22X ExView™ Color	8701-55/56, 8704-55/56, 8707-55/56	1.7 per video stream (max 10 streams per dome)	1 channel @ 30 fps max.	480 horizontal TV lines max @ 720 x 488 (4 CIF) pixels	264X	Indoor, Outdoor, Ceiling, Pendant, Pressurized, Maximum Security
23X Day/Night with Wide Dynamic Range	8701-55/56, 8705-55/56, 8708-55/56	1.7 per video stream (max 10 streams per dome)	1 channel @ 30 fps max.	480 horizontal TV lines max @ 720 x 488 (4 CIF) pixels	276X	Indoor, Outdoor, Ceiling, Pendant, Pressurized, Maximum Security
35X Day/Night with Wide Dynamic Range amd Image Stabilization	9102-55/56	1.7 per video stream (max 10 streams per dome)	1 channel @ 30 fps max.	480 horizontal TV lines max @ 720 x 488 (4 CIF) pixels	420X	Outdoor, Pendant, Pressurized, Maximum Security,

