

Infinova®

The Integrator's Manufacturer

V1740N-NE2 Series IP PTZ Outdoor Bracket Mount Domes



Features

- Support H.264/M-JPEG dual stream encoding and three simultaneous video streams
- ONVIF-compliant
- Motion detection
- Support multiple ways to handle alarms, such as sending an email, FTP uploading, audible warning and relay output
- Support two-way audio and alarms
- Support multi-user access and parameters configuration via Web Server
- 254 Programmable presets, with the maximum speed of 400°/s, and precise positioning
- Advanced privacy mask function with 2 modes selectable
- Home return, preset linkage, pattern and auto scan
- Auto focus, backlight compensation, and auto gain control (AGC)
- IP 66 rating, with built-in heater and air cycle system, freeze proof

Description

V1740N-NE2 series IP PTZ dome camera is the newly launched security product of Infinova.

With the technology of network video modules and the built-in H.264/M-JPEG kernel program, it can realize the high quality video transmission by 30 frames per second. And the feature of three simultaneous streams can help to select major stream or minor stream in transmission according to the applications. The dome camera can also make intelligent monitoring plan and storage strategies via the management platform.

The built-in web server support IE 6.0 or the greater versions. OSD display and WDR are also available. And the dome cameras can be controlled and managed by Infinova V2216 series software.

The dome features the optical zoom of 23X/28X/36X and the digital zoom of 12X. The control speed varies from 0.08°/s to 400°/s with low noise and smooth running.

World Headquarters
Infinova
51 Stouts Lane
Monmouth Junction, NJ, 08852
United States
Phone: +1 732 355 9100
+1 888 685 2002 (toll-free)
Fax: +1 732 355 9101
E-mail: Sales@infinova.com

North America
Phone: +1 613 591 8181
E-mail: sales@marchnetworks.com

Middle East & Africa
Infinova Middle East (Kuwait)
Phone: +965 2565 9818

Dubai Branch Office
Phone: +971 4 326 5911
E-mail: Sales-ME@infinova.com

Europe
Phone: +39 0362 17935
E-mail: sales@marchnetworks.com

Latin America
Phone: +52 55 5259 9511 / 7913
E-mail: sales@marchnetworks.com

Hong Kong
Phone: +852 27956540
E-mail: Sales-HK@infinova.com

India
Phone: +91 020-412-14321
E-mail: Sales-IND@infinova.com



Ordering Information

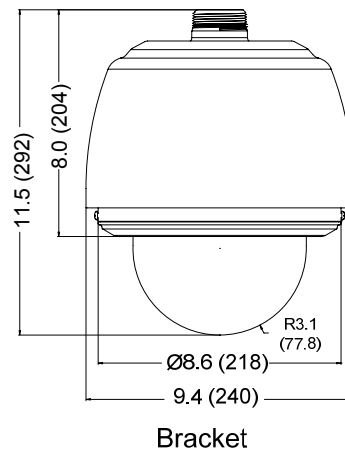
For complete part numbering information, kindly refer to the part number guide.

Accessories

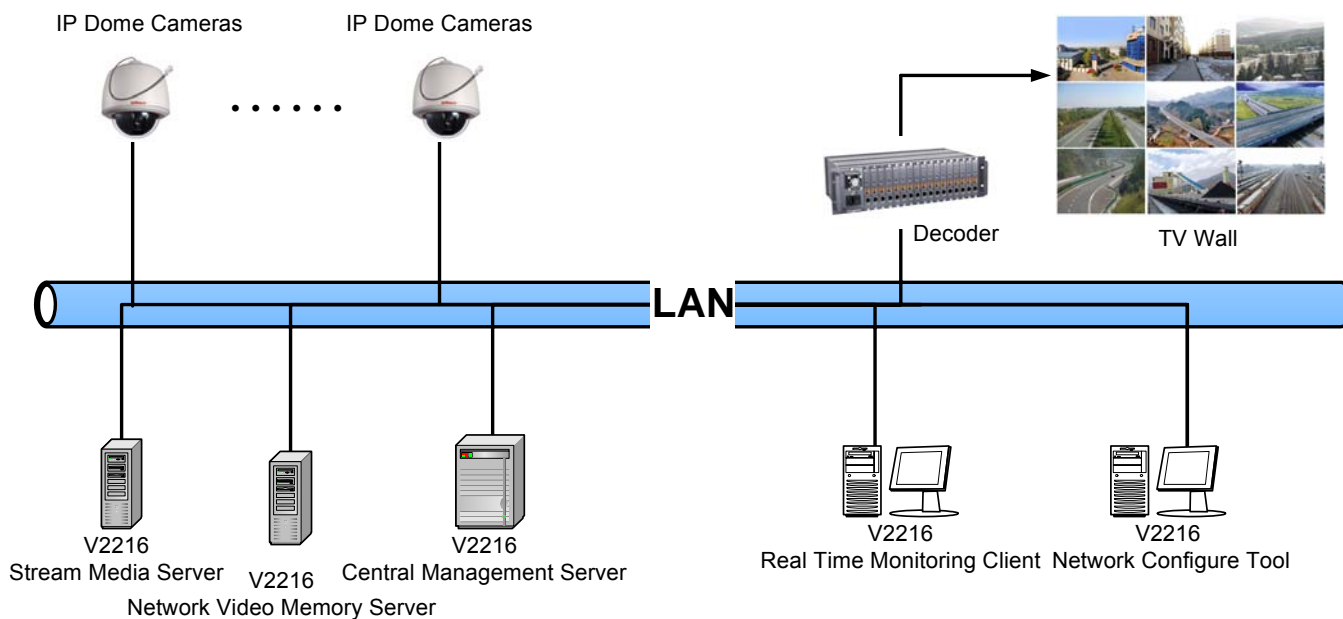
- V1761 Wall Mount, 10 inch horizontal, 1.5 inch NPT
- V1761L Wall Mount, 17 inch horizontal, 1.5 inch NPT
- V1762 Corner Mount, 10 inch horizontal, 1.5 inch NPT
- V1763 Pole Mount, 10 inch horizontal, 1.5 inch NPT
- V1764A Pendant Mount, 15 inch long vertical, 1.5 inch NPT, Outdoor side opening for wiring
- V1764B Pendant Mount, 15 inch long vertical, 1.5 inch NPT, Outdoor top opening for wiring
- V1765 Parapet Mount, 12 inch horizontal, vertical attachment, 1.5 inch NPT
- V1765A Parapet Mount, V1765 horizontal attachment adapter

For detailed information, please refer to V1760 series indoor/outdoor dome mounts.

Dimensions



System Application



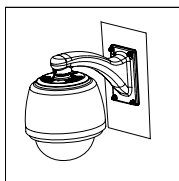
PTZ Dome Camera Part Numbering System

Type	Bubble	23X D/N	28X D/N	36X D/N
Pendant Mount NTSC Camera 24VAC	Vandal-Resistant Clear	V1747N-N0C3B6E2	V1748N-N0C3B6E2	V1743N-N0C3B6E2
	Vandal-Resistant Smoked	V1747N-N0S3B6E2	V1748N-N0S3B6E2	V1743N-N0S3B6E2
Pendant Mount PAL Camera 24VAC	Vandal-Resistant Clear	V1747N-N1C3B6E2	V1748N-N1C3B6E2	V1743N-N1C3B6E2
	Vandal-Resistant Smoked	V1747N-N1S3B6E2	V1748N-N1S3B6E2	V1743N-N1S3B6E2

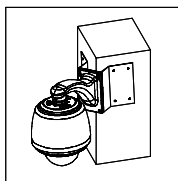
Part Number Extensions for Power Input Selection

12VDC	EX: 12VDC Input	24VAC	EX: 24VAC Input
5	V1747N-N0C3B5E2	6	V1747N-N0C3B6E2

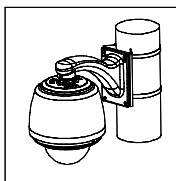
Mounting



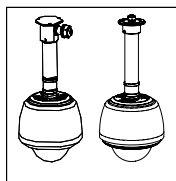
Wall Mounting



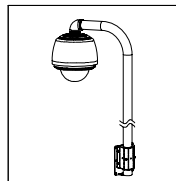
Corner Mounting



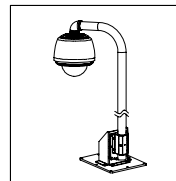
Pole Mounting



Pendant Mounting



Over-roof Side
Wall Mounting



Over-roof horizontal
Surface Mounting

Specifications

General	Optical Zoom	23X, 28X, 36X
	Digital Zoom	12X
	Programmable Presets	254
	Programmable Patterns	4
	Programmable Autopans	4
	Programmable Areas	16
	Video Blanking Sectors	16
	Spherical Privacy Zones	4 (23X), 24 (28X/36X)
	Norm Tours	6
	Alarm (Optional)	2 alarm inputs, 2 relay outputs
	Home Return	Yes
	Auto Scan	Yes
	Image Mirror	Yes
	WDR	Yes (23X/36X)
	FNR	Yes
	Stabilization	Yes (28X/36X)
	Motion Detection	Yes
	Zoom Window	Yes (PELCO-D)
	Communication Protocol	INFINOVA, PELCO-P/D (self-adaptive)
Addresses	1~254	
Baud Rate	2400/4800/9600bps optional	
IP	Video Compression	H.264/M-JPEG
	Maximum Resolution	4CIF @ H.264/M-JPEG
	Optional Resolution	Major stream: PAL: 4CIF(704×576)/2CIF(704×288)/CIF(352×288)/QCIF(176×144); NTSC: 4CIF(704×480)/2CIF(704×240)/CIF(352×240)/QCIF(176×120)
		Minor stream: PAL: CIF(352×288)/QCIF(176×144); NTSC: CIF(352×240)/QCIF(176×120)
	Bit Rate	Variable bit rate; Constant bit rate: 256Kbps~3Mbps
	Maximum Frame Rate	PAL: 25fps; NTSC: 30fps
	Audio (Optional)	Compression: G.711
		Audio port, 1 input/1 output
	Network Port	1 RJ45 10M/100M self-adaptive Ethernet port
Network Protocols	TCP/IP, HTTP, ICMP, IGMP, UDP, SMTP, RTP, RTSP, SNMP ARP etc.	
Mechanical	Manual Speed	Pan: 0.08°~200°/s; Tilt: 0.2°~100°/s
	Preset Speed	400°/s maximum
	Pan Travel	360° continuous
	Tilt Travel	0°~90°
	Preset Accuracy	±0.1°
	Motor	Stepping motor
	Mounting	Bracket
Electrical	Power Supply	12VDC or 24VAC
	Power Consumption	12VDC: 27W (with heater); 24VAC: 43W (with heater)
Environmental	Operating Temperature	-40°F ~ 140°F (-40°C ~ +60°C)
	Storage Temperature	-4°F ~ 140°F (-20°C ~ +60°C)
	Operating Humidity	0~90%RH (non-condensing)
	Rating	IP66
Physical	Product Dimension (H×D)	11.5" × Φ9.4" (292mm × Φ240mm)
	Box Dimension (L×W×H)	19.09" × 11.02" × 11.81" (485mm × 280mm × 300mm)
	Product Weight	8.4lbs (3.8kg)
	Shipping Weight	11.9lbs (5.4kg)
	Housing Material	Cast Aluminum
Certifications	CE/EMC: EN 55022, EN 55024, EN 61000-3-2, EN 61000-3-3 (Certificate NO.: BCT12HC-1420E) FCC: Part15 Subpart B (Certificate NO.: BCT12HC-1421E); ISO 9001:2008; IEC 61000; UL	

Camera Parameters

Optical Zoom	23X	28X	36X
Video Type	PAL/NTSC (D/N)	PAL/NTSC (D/N)	PAL/NTSC (D/N)
Scanning System	2:1 Interlace Scanning		
Image Sensor	1/4" Progressive Scan CCD	1/4" Interlace Scan CCD	1/4" Progressive Scan CCD
Analog Video Resolution	PAL/440K: 752 (H) × 582 (V) NTSC/380K: 768 (H) × 494 (V)		
Aperture/Focal Length	F1.6 ~ F3.7; f=3.6 ~ 82.8mm	F1.35~F3.7; f=3.5~98mm	F1.6 ~ F 4.5; f=3.4 ~ 122.4mm
Angle of View	54° (Wide) / 2.5° (Tele)	55.8° (Wide) / 2.1° (Tele)	57.8° (Wide) / 1.7° (Tele)
Min. Work Distance	0.01m (Wide) ~ 1.0m (Tele)	0.01m (Wide) ~ 1.5m (Tele)	0.32m (Wide) ~ 1.5m (Tele)
Sensitivity	Color mode: 0.02 lux @ F1.6 (30IRE. AGC max. PAL: 1/50s, NTSC: 1/60s); 0.01 lux @ F1.6 (30IRE. AGC max. PAL: 1/3s, NTSC: 1/4s) B/W Mode: 0.01 lux @ F1.6 (30IRE. AGC max. PAL: 1/50s, NTSC: 1/60s); 0.01 lux @ F1.6 (30IRE. AGC max. PAL: 1/3s, NTSC: 1/4s)	Color mode: 0.56 lux @ F1.35 (50IRE) (Typical); 0.09 lux (NTSC: 1/4s, PAL: 1/3s) (Typical) B/W Mode: 0.02 lux (NTSC: 1/4s, PAL: 1/3s)	Color mode: 0.66 lux @ F1.6 (30IRE. PAL: 1/50s, NTSC: 1/60s); 0.01 lux @ F1.6 (30IRE. PAL: 1/3s, NTSC: 1/4s) B/W Mode: 0.01 lux @ F1.6 (30IRE. PAL: 1/3s, NTSC: 1/4s)
Horizontal	540TVL	550TVL	550TVL
S/N Ratio	>50dB		
Video Output	1.0 ± 0.2Vp-p		
Backlight Compensation	ON/OFF		
Sync System	Internal/External		
WDR	OFF/WDR/AD WDR/ WDR*/AD WDR*	/	OFF/DVER COMP/EXP RATIO/AUTO
FNR	OFF/AUTO/MANU	ON/OFF	ON/OFF
Stabilization	/	ON/OFF	ON/OFF
Digital Zoom	1~12X Adjustable		
DSS	Yes	Yes	Yes
Focus	M/A / AUTO / MANU		
White Balance	AUTO/MANU/MERCU/SODI	AUTO/MANU/INDOOR/OUTDOOR /OUTDOOR AUTO/SODI/ATW	AUTO/MANU/INDOOR/OUTDOOR /OUTDOOR AUTO/SODI/ATW
Shutter Speed	Auto: Default Set Manual: PAL: 1/1.5~1/30000s NTSC: 1/2~1/30000s	Auto: Default Set Manual: PAL: 1/1~1/10000s NTSC: 1/1~1/10000s	Auto: Default Set Manual: PAL: 1/1~1/10000s NTSC: 1/1~1/10000s
Iris	M/A / AUTO / MANU		