

V1750A Series

Pressurized Bracket Mount PTZ Domes

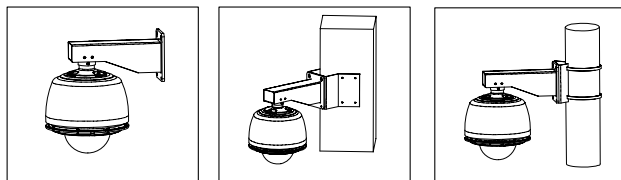
Infinova
The Integrator's Manufacturer



Features

- High-precision for metal solid housing, dust-proof and water-proof, IP67 protection rating
- Internal sensors, for real-time display of the internal temperature and pressure
- Mutual exchange between Fahrenheit and Centigrade
- Abundant in alarm, relay output, preset, patterns and autoscans
- Two kinds of privacy masking mode to shield private scene
- Internal multi-protocol switcher and support main stream of multi-control protocol of compatibility
- Super anti-jamming, overcome electromagnetism-jamming, radio frequency and ground electricity effectively
- Anti-ice/anti-mist, built-in heater and air circulating system

Mounting

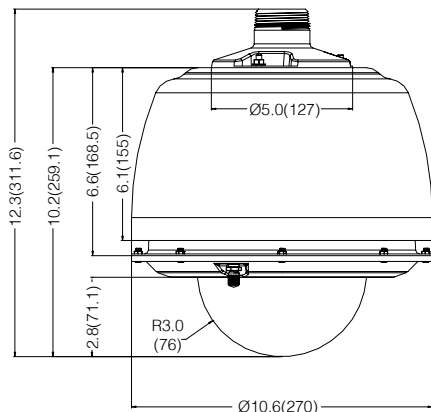


Wall Mounting

Corner Mounting

Pole Mounting

Dimension



(Unit: inch, in the parentheses is mm)

Description

Infinova's ruggedized V1750A series pressurized PTZ dome cameras feature a nitrogen pressurized stainless steel rim for maximum protection against airborne contaminants and moisture. Special valves minimize decrease in pressure over time. Solid-state sensors in the housing relay important system information, such as internal temperature and pressure readings, back to the control center. Non-volatile memory in the housing enables automatic downloads of camera presets and other data in the event that the camera and drive module must be replaced.

Infinova's standard PTZ domes are available with 23x12 and 36x12 optical/digital zooms, ensuring the ability to get the right camera for different projects. Digital Signal Processing technology provides enhanced clarity, color and detail, with the day/night camera; usable images can be delivered even in extremely low light conditions. Separate definable privacy zones can be set by administrators to prevent users from viewing restricted areas. The PTZ dome's direction indicators, which can be displayed on the monitor, denote the direction in which it is moving.

The internal multi-protocol receiver allows the domes to be compatible with control site devices from Infinova, such as the V2116 keyboards, and Infinova matrix switchers; as well as devices from the 3rd party manufacturers. Infinova domes feature built-in memory to store camera and dome settings, including labels, presets, patterns, and zones. These settings are automatically downloaded if a new dome drive is installed.

Infinova's variable speed capabilities range from a smooth, fast pan motion of 240° (200° for 36X) per second to a low speed of 0.5° per second. The system is capable of 360° rotation and has an "auto flip" feature that allows the camera to rotate 180° and reposition itself for uninterrupted viewing of any subject that passes directly beneath the PTZ dome.



Specifications

General	Optical Zoom	23X, 36X
	Digital Zoom	12X
	Programmable Presets	Pelco P/D/Up-the-Coax:128; Infinova: 127
	Programmable Patterns	4
	Programmable Areas	16
	Spherical Privacy Zones	24
	Video Blanking Sectors	16
	Tours	6
	Image Mirror	Yes
Synchronization	Line-Locked	Remote V-phase adjustment
	Internal	Built-in sync generator
	Alarm Input	4
Mechanical	Manual Pan/Tilt Speed	0.5°~90° per second (0.5°~180° per second for 36X) (based on zoom position)
	Preset Pan/Tilt Speed	240° per second, maximum (200° per second, maximum for 36X)
	Pan Travel	360° continuous
	Tilt Travel	-3°~90°
	Pan/Tilt Accuracy	±1° (±0.3° for 36X)
	Zoom/Focus Accuracy	±0.5%
	Motor	Stepping Motor
Electrical	Power Supply	24VAC
	Power Consumption	Outdoor: 50W
	Power On In-Rush Current	2amps (maximum)
Pressure	Pressure	15.6~21.6psi (107.3~148.5kpa)
	Pressure Relief	22.4psi (154kpa)
	Pressure Alarm	15.5psi (106.6kpa)
Physical	Dome Housing	Type 316 stainless steel
	Dome Mount	Type 316 stainless steel
	Product Weight	18.35lbs. (8.32 kg)
	Product Dimension	12.1"×10.6" (307mm×Φ270mm)
	Shipping Weight	22.1lbs (10.00 kg)
Environmental	Operating Temperature	-40°F~122°F (-40°C~50°C)
	Storage Temperature	-4°F~140°F (-20°C~60°C)
	Environmental Rating	IP67
	Fan & Heater	Continuous fan; auto-start heater
	Humidity	0~100% RH (Non-condensing)
Protocols Supported	INFINOVA, PELCO-P/D, Up-the-Coax	
Certifications	CE/EMC: EN 55022, EN 55024 (Certificate No: RSZ07070304-1&2); FCC: Part15 Subpart B, Class B (Certificate No: RSZ07070304); ISO 9001:2008	

Camera Parameters

Camera Model	V1757A	V1753A
Optical Zoom	23X	36X
Video Type	PAL/NTSC (D/N)	PAL/NTSC (D/N)
Scanning System	2:1 Interlace scanning	
Image Sensor	1/4" Progressive scanning CCD	1/4" Interlace scanning CCD
Resolution	PAL/440K: 752(H)x582 (V), NTSC/380K: 768 (H)x494 (V)	
Aperture/Focal Length	F1.6~F3.7, f=3.6~82.8mm	F1.6~F4.5, f=3.4~122.4mm
Angle of View	54° (Wide)/2.5° (Tele)	57.8° (Wide)/1.7°(Tele)
Min. Work Distance	0.01m (Wide)~1.0m (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: 0.66 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	530TVL
S/N Ratio	>50dB	
Video Output	1.0 ± 0.2 VP-P	
Backlight Compensation	ON/OFF	
Sync System	Internal/External	
WDR	OFF/WDR/AD WDR/WDR*/AD WDR*	ON/OFF
FNR	OFF/AUTO/MANU	/
Digital Zoom	1~12X adjustable	
Digital Slow Shutter	Yes	Yes
Focus	AUTO / MANU / M/A	
White Balance	Auto/Manual	
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
Iris	AUTO / MANU / M/A	

Ordering Information

PTZ Dome Camera Part Numbering System

Type	Bubble	23X D/N	36X D/N
Outdoor NTSC Camera 24VAC	Vandal-Resistant Clear	V1757A-COC3B6	V1753A-COC3B6
	Vandal-Resistant Smoked	V1757A-COS3B6	V1753A-COS3B6
Outdoor PAL Camera 24VAC	Vandal-Resistant Clear	V1757A-C1C3B6	V1753A-C1C3B6
	Vandal-Resistant Smoked	V1757A-C1S3B6	V1753A-C1S3B6

PTZ Dome Auxiliary

V1791 Nitrogen Recharge Kit, Complete with Tank, Regulator, 6' Hose and Air Chuck

PTZ Dome Installation Mounts

For use with V1750A series PTZ domes

V1761S Wall Mount, Stainless Steel
V1762S Corner Mount, Stainless Steel
V1763S Pole Mount, Stainless Steel

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