

# V1750A Series

## Pressurized Bracket Mount PTZ Dome Camera

**Infinova**<sup>®</sup>  
The Integrator's Manufacturer



- **Inbuilt 28X integrated camera module**
- **High-precision metal solid housing to ensure the internal high-pressure environment, dust-proof and water-proof, IP67 rating**
- **Internal sensors, for real-time display of the internal temperature and pressure**
- **Mutual exchange between Fahrenheit and Centigrade**
- **Multiple alarms associated with relay output, preset, pattern and autoscan**
- **2 privacy mask modes to shield private scenes**
- **Internal multi-protocol switcher, supporting multiple leading control protocols with high compatibility**
- **Password protection function to prevent illegal altering of the menu parameters**
- **Excellent anti-interference ability (electromagnetic, radio frequency, low current)**
- **Anti-ice/anti-mist, built-in heater and air circulating system**

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.

The domes are available with 28x12 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. These settings are automatically downloaded if a new dome drive is installed.

## Technical specifications

<b>Lens</b>	
Optical Zoom	28X
Aperture/ Focal Length	F1.35~F3.7, f=3.5~98mm
Angle of View	55.8° (Wide) / 2.1° (Tele)
Min. Work Distance	0.01m (Wide) ~ 1.5m (Tele)
<b>Camera</b>	
Scanning System	2:1 Interlace Scanning
Image Sensor	1/4" interlace scan CCD
Effective Pixels	PAL/440K: 752 (H) × 582 (V), NTSC/380K: 768 (H) × 494 (V)
Sensitivity	Color mode (w/ICR): 0.25 lux (F1.35, 50IRE) (typical value) 0.16 lux (NTSC: 1/4s, PAL: 1/3s) (typical value) B/W Mode (w/o ICR): 0.0015 lux (NTSC: 1/4s, PAL: 1/3s)
S/N Ratio	>50dB
<b>Video</b>	
Video Type	PAL/NTSC (D/N)
Horizontal Resolution	550TVL
Video Output	1.0±0.2Vp-p
<b>Communication</b>	
Protocols	NFINOVA, PELCO-P/D, Up-the-Coax
<b>Operational</b>	
Manual Pan /Tilt Speed	0.5°~90° per second
Preset Pan/Tilt Speed	240%/s, maximum
Pan Travel	360° continuous
Tilt Travel	-3°~90°
Presets	Pelco P/D / Up-the-Coax: 128; Infinova: 127
Patterns	4
Programmable Areas	16
Tours	6
Alarm Inputs	4 alarm inputs
Freeze	Yes
Reverse	Yes
Image Mirror	Yes
WDR	/
FNR	OFF/000~005 adjustable
Digital Zoom	1~12X adjustable
Digital Slow Shutter	Yes

Focus	AUTO / MANU / M/A
White Balance	ATW / MWB
Backlight Compensation	ON/OFF
Shutter Speed	Auto: default setting Manual: PAL: 1/1~1/10000s; NTSC: 1/2~1/10000s
Iris	AUTO / MANU / M/A
<b>Mechanical</b>	
Product Dimension	12.1" × Φ10.6" (307mm × Φ270mm)
Product Weight	18.35lbs. (8.32 kg)
Shipping Weight	22.1lbs (10.00 kg)
Motor	Stepping motor
Dome Housing	Type 316 stainless steel
Dome Mount	Type 316 stainless steel
<b>Pressure</b>	
Pressure	15.6~21.6psi (107.3~148.5kpa)
Pressure Relief	22.4psi (154kpa)
Pressure Alarm	15.5psi (106.6kpa)
<b>Sync</b>	
Sync System	Internal
<b>Electrical</b>	
Power Supply	24VAC/12VDC
Power Consumption	24VAC: 50W 12VDC: 25W
Power On In-Rush Current	2amps (maximum)
<b>Environmental</b>	
Operating Temperature	-40°F ~ 122°F (-40°C ~ 50°C)
Storage Temperature	-4°F ~ 140°F (-20°C ~ 60°C)
Operating Humidity	0~90% RH (Non-condensing)
Rating	IP67
Fan & Heater	Continuous fan; auto-start heater
<b>Certifications and Approval</b>	
Product Certifications	CE/EMC: EN 55022, EN 55024 <sup>1</sup> ; FCC: Part15 Subpart B, Class B <sup>2</sup> ; ISO 9001:2008

Certificate No.: <sup>1</sup> RSZ07070304-1&2; <sup>2</sup> RSZ07070304.

## Ordering information

Type	Bubble	28X D/N
Outdoor NTSC Camera 24VAC	Vandal-Resistant Clear	V1758A-C0C3B6
	Vandal-Resistant Smoked	V1758A-C0S3B6
Outdoor PAL Camera 24VAC	Vandal-Resistant Clear	V1758A-C1C3B6
	Vandal-Resistant Smoked	V1758A-C1S3B6
Outdoor NTSC Camera 12VDC	Vandal-Resistant Clear	V1758A-C0C3B5
	Vandal-Resistant Smoked	V1758A-C0S3B5
Outdoor PAL Camera 12VDC	Vandal-Resistant Clear	V1758A-C1C3B5
	Vandal-Resistant Smoked	V1758A-C1S3B5

### PTZ Dome Accessories

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

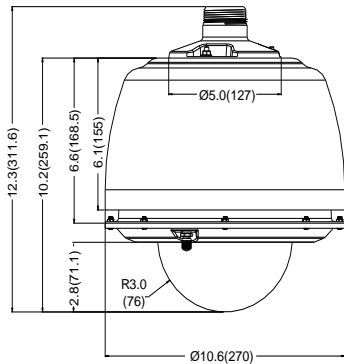
V1761S Wall Mount, Stainless Steel

V1762S Corner Mount, Stainless Steel

V1763S Pole Mount, Stainless Steel

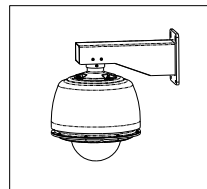
For detailed information, please refer to V1760 series indoor/outdoor dome mount.

## Dimensions

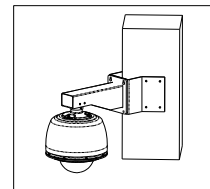


(Unit: inch, in the parentheses is mm)

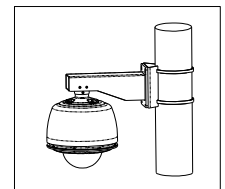
## Mounting



Wall Mounting



Corner Mounting



Pole Mounting