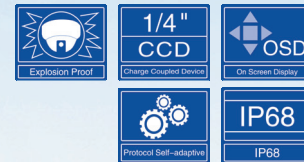


V1631 Series

Explosion-proof PTZ Camera System

Infinova[®]
The Integrator's Manufacturer



- 316 stainless steel construction
- Strong corrosion-resistant capabilities
- Use in flammable and explosive hazardous areas
- Compatible with PTZ control on three RS485 protocols (Auto-sensing): PELCO-P, PELCO-D, INFINOVA
- OSD menu programming, able to set address, baud rate and camera parameters
- 128 Presets
- 4 Patterns
- 0.1° to 30°/s variable-speed of Pan/Tilt movement
- 360° continuous Pan/Tilt rotation
- IP68 environmental rating

V1631 series explosion proof integrated PTZ camera is fully-developed and specially designed for use in flammable and explosive hazardous areas.

The system adopts stainless steel construction to ensure its good explosion-proof performance in hazardous areas. It has an absolute operating temperature range of -40°F~140°F (-40°C~60°C).

This explosion-proof camera is properly sealed to prevent the intake of flammable dust and ensure strong corrosion-resistant capabilities.

V1631 series allows 360° continuous pan/tilt rotation at the speed of 0.1 to 30°/s. An optoelectronic device is embedded to detect the position of camera housing. It will send signals to the processor when the camera housing is turned upside down. Then, the processor sends an order to flip the image for normal view.

V1631 series can be easily mounted in the following ways: surface mount, wall mount, corner mount, pole side mount, pole pendant mount, pole stand mount and pole top mount.

Technical specifications

Lens

Optic Zoom	28X, 36X
Digital Zoom	1~12X Adjustable
Aperture/ Focal Length	28X: F1.35~F3.7; f=3.5~98mm 36X: F1.6- F4.5; f=3.4~122.4mm
Angle of View	28X: 55.8° (Wide)/2.1° (Tele) 36X: 57.8° (Wide)/1.7° (Tele)
Min. Work Distance	28X: 0.01m (Wide) ~ 1.5m (Tele) 36X: 0.32 m (Wide) ~ 1.5m (Tele)

Camera

Image Sensor	28X: 1/4" Interlaced scanning CCD 36X: 1/4" Progressive scanning CCD
Scanning System	2:1 Interlaced Scanning
Video Type	PAL/NTSC (D/N)
Sync System	Internal
Effective Pixels (H×V)	PAL/440K: 752× 582; NTSC/380K: 768×494

Sensitivity	28X: Color Mode: 0.25 lux (F1.35, 50IRE) (typ.) 0.16 lux (PAL: 1/3s; NTSC:1/4s) (typ.) B/W Mode: 0.0015 lux (PAL: 1/3s; NTSC:1/4s) 36X: Color mode: 1.4 lux (PAL: 1/50s; NTSC: 1/60s) 0.1 lux (PAL: 1/3s; NTSC: 1/4s) B/W mode: 0.01 lux (PAL: 1/3s; NTSC: 1/4s)
S/N Ratio	>50dB
Focus	Auto / Manual / M/A
Shutter Speed	Auto: Default Manual: PAL: 1/1~1/10000s; NTSC: 1/1~1/10000s
Iris	Auto / Manual / M/A
DSS	Available

Image

Horizontal Resolution	550TVL
BLC	ON/OFF
WDR	28X: / 36X: ON/OFF
White Balance	AUTO/MANU/ATW/INDOOR/OUTDOOR

Interface

Video Output	1.0±0.2Vp-p
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Mechanical

Pan Rotation Angle	360°
Tilt Rotation Angle	360°
Pan Rotation Speed	0.1°/s to 30°/s
Tilt Rotation Speed	0.1°/s to 30°/s
Mounting	Surface, Wall, Corner, Pole Side, Pole Pendant, Pole Stand, Pole Top

Physical

Construction Material	Housing: 316 stainless steel Front Window: Tempered glass
Product Weight	84 lbs. (38±5%kg)
Shipping Weight	121 lbs. (55±5%kg)

Electrical

Input Voltage	100~240VAC
Voltage Range	±10%
Power Consumption	60W

Environmental

Environmental Rating	IP68
Atmospheric Pressure	80kpa~110kpa
Operating Temperature	-40°F ~ 140°F (-40°C~60°C)
Storage Temperature	-40°F ~ 140°F (-40°C~60°C)
Relative Humidity	95%RH (77°F/25°C)

Application Field	For Division 1 and 2 hazardous locations where fire or explosion hazards may exist due to the presence of flammable gases or vapors (Gas Groups: II A, II B, II C; Temperature Classes: T1-T6); For zone 21 and 22 hazardous locations where combustible dust clouds may occur
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Certifications and Approval

IECEX, ExdIICT6 Gb, Ext IIIC T80°C Db ¹,
CNEx, ExdIICT6 Gb, DIP A21 TA, T6 ²,
CE/EMC: EN 55022, EN 55024, EN61000-3-2,61000-3-3 ³,
CE/LVD: EN 60950-1 ⁴,
FCC ⁵,
CCOE/PESO ⁶,
ISO 9001:2008

Certificate No.: ¹ IECEX CQM 12.0020X; ² CNEx12.1920X; ³ BCT09FC-495E; ⁴ BCT09FC-495S;
⁵ BCT09FC-496E; ⁶ P303531/1

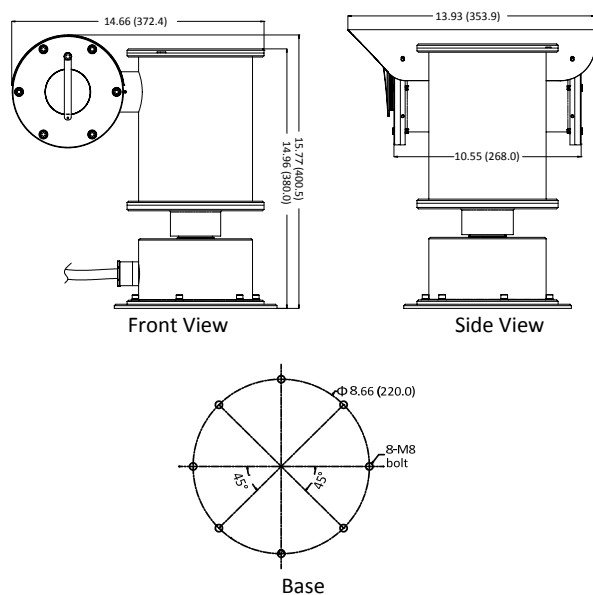
Ordering information

V1631-28A09S-2	Explosion-proof PTZ camera system, 28X, NTSC, 100~240VAC, 316 Stainless Steel
V1631-28A19S-2	Explosion-proof PTZ camera system, 28X, PAL, 100~240VAC, 316 Stainless Steel
V1631-36A09S-2	Explosion-proof PTZ camera system, 36X, NTSC, 100~240VAC, 316 Stainless Steel
V1631-36A19S-2	Explosion-proof PTZ camera system, 36X, PAL, 100~240VAC, 316 Stainless Steel

Recommended Installation Mounts

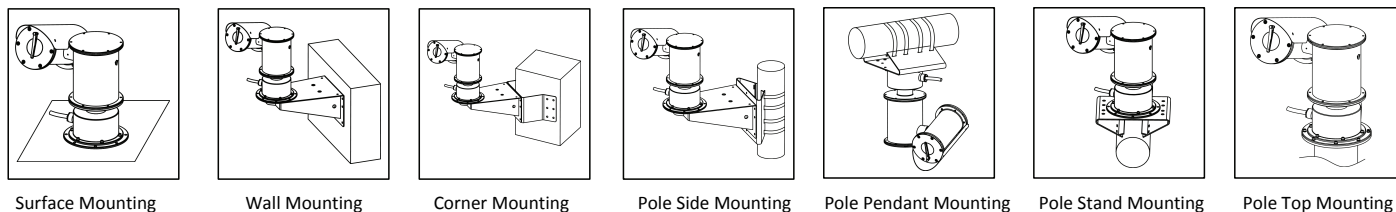
V1664-W	Wall Mount, 316 Stainless Steel
V1664-C	Corner Mount, 316 Stainless Steel
V1664-S	Pole Mount, 316 Stainless Steel

Dimensions



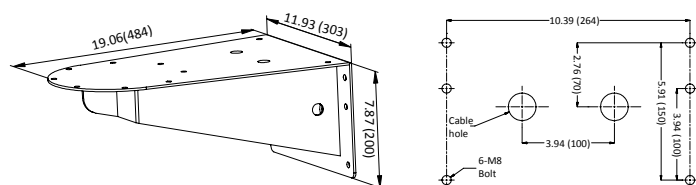
(Unit: inch, in the parentheses is mm)

Mounting

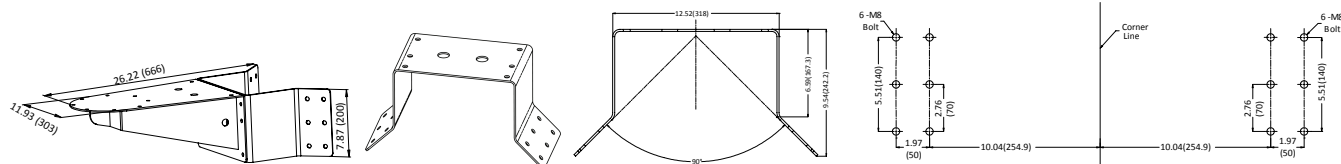


Mounts & adapters dimensions

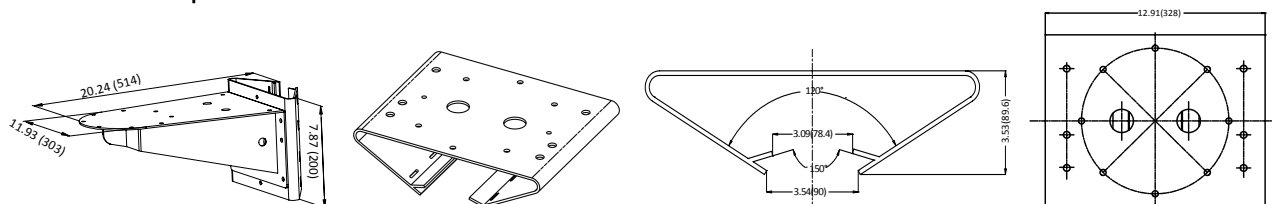
V1664-W Mount:



Corner Mount Adapters for V1664-C:



Pole Side Mount Adapters for V1664-S:



(Unit: inch, in the parentheses is mm)