

Explosion proof pan/tilt/zoom camera for hazardous environments



DESCRIPTION

Infinova's V1631 series explosion proof integrated PTZ camera is a fully-developed integrated camera system that designed for use in flammable and explosive hazardous areas.

The system is stainless steel constructions that designed for use in hazardous areas in accordance with strict explosion proof requirements. It has an absolute operating temperature range of -4° F ~140° F (-20° C ~60° C). These explosion proof cameras are well sealed, preventing the intake of explosive dust while featuring strong corrosion-resistant capabilities.

The V1631 series variable pan/tilt speeds range from 0.1° ~ 25° per second. These cameras are capable of 360° continuous pan/tilt rotation. There is also an electronic image-orientation embedded in the vertical plane, which is able to flip the image automatically when the image is turned upside down ensuring the image is always upright. These cameras feature the ease of installation, with the following mounting methods: desktop mount, wall mount, corner mount, pole side mount, pole pendant mount, pole stand mount and pole top mount.

Infinova's V1631 series cameras have excellent electrical and mechanical performance making these explosion proof cameras an invaluable and convenient addition to any security surveillance.

ORDERING INFORMATION

V1631-26A09-2	Explosion-proof PTZ Camera System, 26X, NTSC, 110~240 VAC, 316 Stainless Steel
V1631-26A19-2	Explosion-proof PTZ Camera System, 26X, PAL, 110~240 VAC, 316 Stainless Steel
V1631-36A09-2	Explosion-proof PTZ Camera System, 36X, NTSC, 110~240 VAC, 316 Stainless Steel
V1631-36A19-2	Explosion-proof PTZ Camera System, 36X, PAL, 110~240 VAC, 316 Stainless Steel

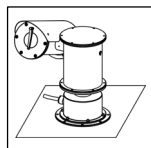
INSTALLATION MOUNTS

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

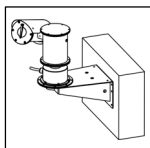
FEATURES

- 316 stainless steel construction
- Strong corrosion-resistant capabilities
- Use in flammable and explosive hazardous areas
- Compatible with PTZ control on 3 RS485 protocols (Autosensing): PELCO-P, PELCO-D, INFINOVA
- OSD menu programming, able to set address, baud rate and camera parameters
- 128 Presets
- 4 Patterns
- 360° continuous pan/tilt rotation
- 0.1°~ 25°/sec pan/tilt variable-speed operation
- Built-in 26X / 36X high quality camera

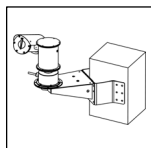
MOUNTING



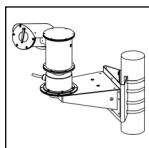
Desktop Mounting



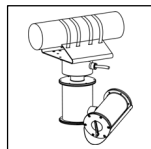
Wall Mounting



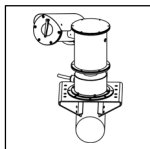
Corner Mounting



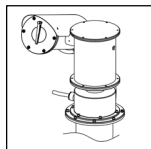
Pole Side Mounting



Pole Pendant Mounting



Pole Stand Mounting



Pole Top Mounting

SPECIFICATIONS

Electrical

Input Voltage:	110 VAC~240 VAC
Voltage Range:	±10%
Power Consumption:	60W
Electrical Connection:	3-wire cable used for control of Pan/Tilt/Zoom 2-wire cable used for power input 2-wire cable used for video output

Mechanical

Construction:	316 Stainless Steel
Environmental Rating:	IP66
Pan Movement:	360° Continuous Pan Rotation
Tilt Movement:	360° Continuous Tilt Rotation

Variable Speed

Pan:	0.1° to 25°/sec variable-speed operation
Tilt:	0.1° to 25°/sec variable-speed operation
Weight:	84 lbs. (38 ± 5% kg)
Shipping Weight:	121 lbs. (55 ± 5% kg)
Mounting Method:	Desktop, Wall, Corner, Pole Side, Pole Pendant, Pole Stand, Pole Top

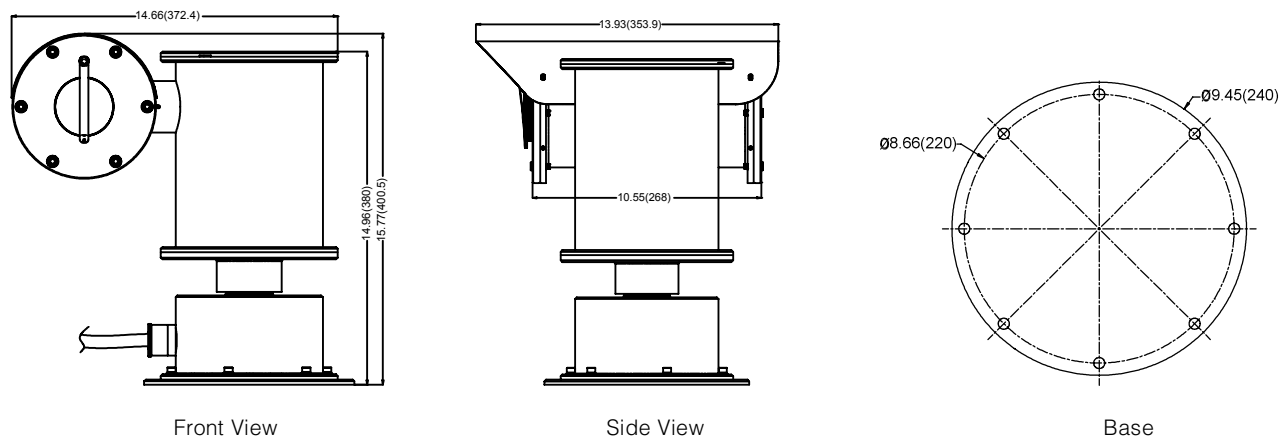
Environmental

Environmental Air Pressure:	86kpa~106kpa
Temperature:	-4° F ~ 140° F (-20° C ~ 60° C)
Humidity:	95%RH (+25° C)
Application:	For dangerous sites with explosive air mixture division 1 and division 2, flammable gas, steam classification II A, B, C, and temperature classification T1-T6

Certifications

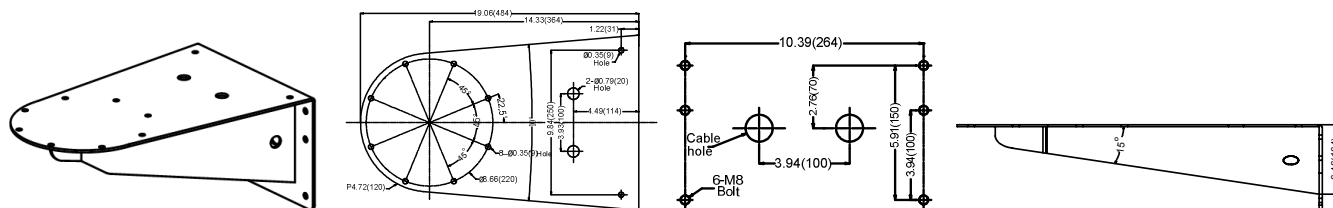
IECEX, ExdIICT6, Certificate No.: IECEX CQM 08.0013
CNEx, ExdIICT6, Certificate No.: CNEx08.1115X

DIMENSIONS (Unit: inch, in the parentheses is mm)

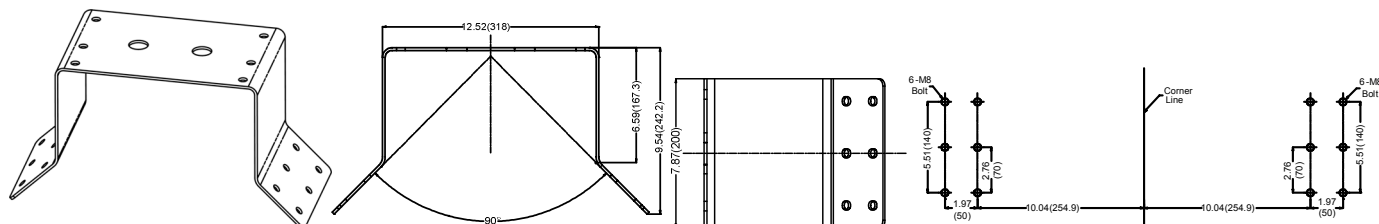


MOUNTS & ADAPTERS DIMENSIONS (Unit: inch, in the parentheses is mm)

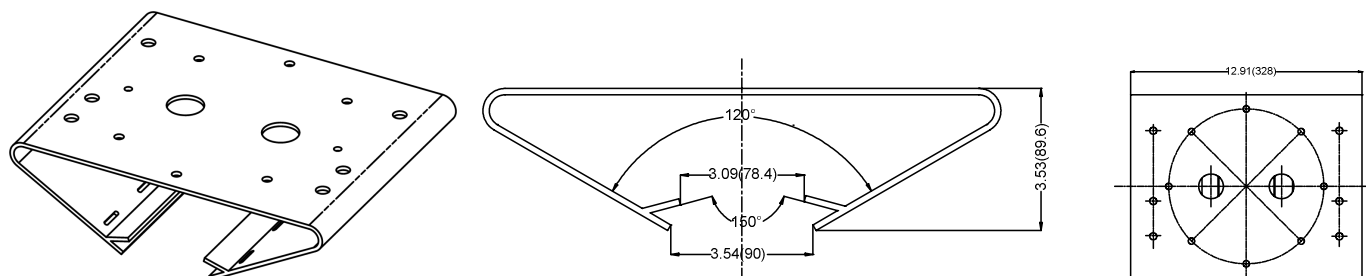
V1664-W Mount:



Corner Mount Adapter of V1664-C:



Pole Side Mount Adapter of V1664-S:



CAMERA PARAMETERS

Optic Zoom	26X	36X
Video Type	PAL/NTSC (D/N)	
Scanning System	2:1 Interlace Scanning	
Image Sensor	1/4" Interlace scanning CCD	
Effective Pixels	PAL/440K: 752 (H) × 582 (V) NTSC/380K: 768 (H) × 494 (V)	PAL/440K: 752(H) × 582 (V) NTSC/380K: 768 (H) × 494 (V)
Aperture/ Focal Length	F1.6 ~ F3.8, f=3.5 ~ 91 mm	F1.6-4.5, f=3.4~122.4 mm
Angle of View	54.2° (Wide) / 2.2° (Tele)	57.8° (Wide) / 1.7° (Tele)
Min. Working Distance	0.32 m (Wide) ~ 1.5 m (Tele)	0.32 m (Wide) ~ 1.5 m (Tele)
Sensitivity	Color Mode (IR-Cut On): 1 lux (NTSC: 1/60s, PAL: 1/50s) 0.07 lux (NTSC: 1/4s, PAL: 1/3s) B/W Mode (IR-Cut Off): 0.15 lux (NTSC: 1/60s, PAL: 1/50s) 0.01 lux (NTSC: 1/4s, PAL: 1/3s)	Color Mode (IR-Cut On): 1.4 lux (NTSC: 1/60s, PAL: 1/50s) 0.1 lux (NTSC: 1/4s, PAL: 1/3s) B/W Mode (IR-Cut Off): 0.01 lux (NTSC: 1/4s, PAL: 1/3s)
Resolution	480 TVL	530 TVL
S/N Ratio	>50 dB	
Video Output	1.0 ±0.2 Vp-p	
Backlight Compensation	Off/On	
Sync System	Internal	
WDR	/	Off/On
Digital Zoom	1~12X Adjustable	
DSS	Yes	
Focus	Auto/Manual (Near- Far)	
White Balance	Auto/Manual	
Shutter Speed	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	Auto/Manual	