VP130-A220 SERIES

HD 2MP EXPLOSION-PROOF IP PTZ DOME CAMERA

Infinova®

2.0 2.0 Mega Pixels	1/2.8" CMOS	Three Video Streams	WDR Wide Dynamic Range	Explosion Proof	http:// Web Server	ONVIF
DSS Digital Slow Shutter	IP68 IP68					
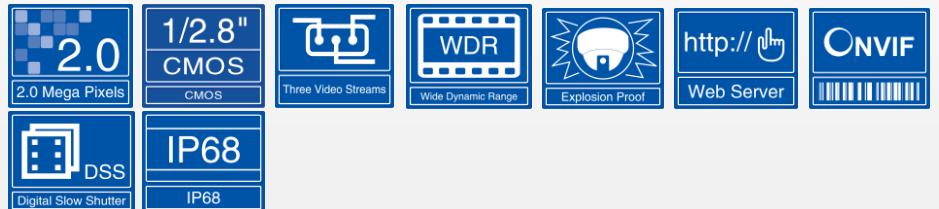
FEATURES

- Built-in 33X HD integrated camera modules
- Maximum resolution up to 1920×1080 @ 30fps
- H.264 high profile & M-JPEG dual-stream encoding, three simultaneous video streams
- Two-way audio, G.711-U/G.711-A
- Remote PTZ Control via network
- Support area zoom and image PTZ function
- Dome title settings and display
- Support image overlapping
- Multiple white balance modes
- Defog supported
- Preset, pattern, autoscan, autopan, time tour, normal tour and power-on return
- Privacy mask and motion detection
- Local recording
- SD card storage, supports buffered video recording
- Heartbeat loss monitor, with SD card recording associated
- Compatible with Infinova' s digital video surveillance software
- Standard SDK, easily to be integrated with other video surveillance software
- Onvif Profile S
- RS-485 control for easy adjustment
- Ex db II C T6 Gb/Ex tb III C T80°C, Db
- IP68 rating
- Remote upgrade via network.

DESCRIPTION

Infinova VP130-A220 series HD 2MP Explosion-Proof IP PTZ Dome Camera is an advanced explosion suppression surveillance installation. It makes full use of both traditional explosion-proof devices and intelligent dome cameras, featuring attractive appearance, lightweight and flexible, easy operation, etc. The safety is ensured and meanwhile the usability is greatly increased. The product can be independently used in indoor environment where flammable and explosive gas exists.

This series dome camera provides users with a full set of digital high definition, high frame rate, and high signal noise ratio real time image acquisition system. This series dome camera supports H.264/M-JPEG dual encoding, three simultaneous streams HD video browsing and control and its resolution is up to 1920×1080@30fps.

The dome supports 33X HD integrated camera modules. The user-friendly GUI interface is designed for easy PTZ control and convenient camera parameter settings. Thus, it is easier to set the PTZ and perform operations with a mouse than traditional keyboard. In addition, the area zooming and image PTZ functions are also offered.

All products shall meet the provisions of standard Ex db IIC T6 Gb (-20 °C ≤ Ta ≤ +60 °C)/ Ex tb IIIC T80°C Db (-20 °C ≤ Ta ≤ +60 °C) IP68 (For IPX8: 1 meter & 1 hour)
VP130-A220 series domes also provide functions such as preset, pattern, autoscan and autopan, normal tour, timing tour, etc.

TECHNICAL SPECIFICATIONS

Lens (Visible)	
Image Sensor	1/2.8" progressive scan CMOS
Optical Zoom	33X
Digital Zoom	12X
Focal Length	f=6~200mm
Iris	F1.6~F3.5
Focus	Auto, Manual
FOV(H/V/D)	H: 62.10° ~ 1.88°; V: 36.83° ~ 1.09°; D: 69.10° ~ 2.17°
Lens Mount	-
Lens (Thermal)	
Imager Type	-
Lens Type	-
Spectral Band	-
Pixel Size	-
NETD	-
Focal Length	-
FOV	-
Video	
Camera Resolution (Visible Lens)	2MP
Camera Resolution (Thermal Lens)	-
Max. Coding Capacity (Visible Lens)	Major stream: H.264- 30fps@1920×1080 Minor stream: H.264- 30fps@1280×720 Third stream: M-JPEG- 5fps@1920x1080
Max. Coding Capacity (Thermal Lens)	-
Data Rate	VBR/CBR Major stream: 256Kbps~10240Kbps
Video Compression	H.264 high profile/M-JPEG independent coding
Multi-Streaming	Three stream independent output
Video Rotation	Video can be rotated by 90°, 180°
Audio	
Audio Compression	G.711
Sample Rate	8KHz (for G.711-A, G.711-U); 16KHz, 32KHz, 44.1KHz, 48KHz (for AAC)

Audio Interface	1 input, linear level, impedance: 1kΩ; 1 output, linear level, impedance: 600Ω
Two-way Audio	Available
Mic & Speaker	-
Image	
Shutter	Auto (1/1s ~ 1/30,000s, adjustable)
WDR	WDR*/AD WDR*
Exposure	Auto/Manual/Shutter
Sensitivity	Color mode: 0.4 lux @ F1.6 (1/30s, 350mV equiv., AGC-Gain: 48dB) 0.1 lux @ F1.6 (1/8s, 350mV equiv., AGC-Gain: 48dB) B/W mode: 0.01 lux @ F1.6 (1/8s, 350mV equiv., AGC-Gain: 48dB)
White Balance	AUTO/MANU/SODIUM/MERCURY
Video Adjustment	Sharpness adjustable, slow AE, night vision
Noise Reduction	3D
S/N Ratio	>62dB
Defog	Available
EIS	On/Off
Mirror	Off/H-mirror/V-mirror/HV-mirror
Corridor Mode	-
Day/Night Switching	ICR
AGC	Available
BLC	On/Off
HLC	On/Off
Privacy Mask	Up to 4 definable zones
ROI	Up to 8 definable zones
OSD	Supported
Pan/Tilt Functions	
Preset	1024
Pattern	12
Autopan	12
Normal Tour	16 (each tour can be associated with 14 acts, including preset 1~32, pattern 1~4, autopan 1~4)
Home Return	Available
Timing Tour	Available
Autoscan	Available
Area Zoom	Available

TECHNICAL SPECIFICATIONS

IR Illumination

Smart-IR	-
Wave Length	-
Night Vision Distance	-

Temperature Measurement

Screening	-
Function	-
Measurement	-
Measurement Distance	-
Measurement Range	-
Accuracy	-

Smart Analytics

Video Analytics	Motion Detection - Available, 4 areas Smart Video Analytics - wire crossing detection, intrusion detection

Storage

Storage Slots	Supports dual cards
Built-in Storage	Up to 512GB
NAS Storage	-
Local PC Recording	Available

Alarm

Alarm Ports	2 Alarm input, 1 Alarm output
Alarm Input	I/O input, motion detection, smart analysis, SD card removal, network disconnection, heartbeat loss
Alarm Association	I/O output, email, FTP upload, audio, SD card snapshot, SD card recording

System Functions

Operating System	Win7 and higher versions
Browser	IE8 and higher versions
Access Protocol	Onvif Profile S
Multiple Access	Up to 5-ch simultaneous access
Web Server	Available
Remote Upgrade	Available
Password Protection	Available
RS485 Port	Available
Analog Video Out	-

Maximum Number of Users	64, with 3 types of users available: administrator, normal user, and operator
Wiper	-

Network

Network Interface	1*RJ45 10/100M self-adaptive Ethernet port
Network Protocols	IPv4, TCP, UDP, IGMP, DHCP, FTP, SNMP(v3), SMTP, NTP, RTP, RTSP, RTCP, SFTP, HTTP, HTTPS, TSL, SSL, 802.1X, QoS, PPPoE, DNS, ARP, ICMP
IP Address Filtering	Support blacklist and whitelist filtering
Network Delay	<300ms

Environmental

Anti-Static	Air discharge: 8KV, contact protection: 6KV (for all ports)
Surge Protection	±2KV
Operating Temperature	−40°F ~ +140°F (-40°C ~ +60°C)
Storage Temperature	−40°F~140°F (-40°C~+60°C)
Operating Humidity	≤95% RH
Environmental Rating	IP68
Impact Resistance	IK10

Mechanical

Manual Speed	Pan: 0.1° ~ 250°/s; Tilt: 0.1° ~ 90°/s
Preset Speed	Up to 300°/s
Rotation Angle	Pan: 360°; Tilt: -3°~90°
Preset Accuracy	±0.1°
Electric Motor	Stepping motor

Electrical

Power Supply	24VAC/24VDC
Power Consumption	24VAC: 35W; 24VDC: 33W

Physical

Product Dimension (L×W×H) or (H x D)	12.19" × 9.37" × 15.12" (309.5mm × 238mm × 384mm)
Package Dimension (L x W x H)	54mm×40mm×45mm
Unit Weight	26.46lbs (12kg)
Shipping Weight	13kg

Certifications

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Product Certifications	IECEx; CCOE/PESO; CE; FCC; IK10; IP68; RoHS

ORDERING INFORMATION

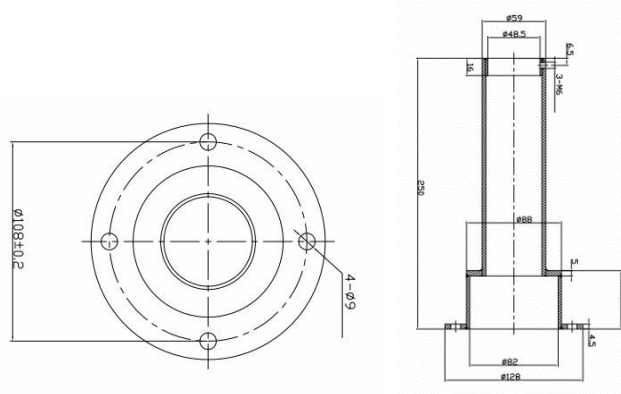|	
VP130-A220C761	HD Megapixel Explosion-proof IP PTZ Dome, Starlight, WDR, Intelligent, 2MP, 33X, 1/2.8"CMOS, Day/night, H.265/H.264/M-JPEG, With wall mounted bracket, 304 Stainless Steel, 24VDC/24VAC
VP130-A220C762	HD Megapixel Explosion-proof IP PTZ Dome, Starlight, WDR, Intelligent, 2MP, 33X, 1/2.8"CMOS, Day/night, H.265/H.264/M-JPEG, With wall mounted bracket, 316 Stainless Steel, 24VDC/24VAC
VP130-A220C763	HD Megapixel Explosion-proof IP PTZ Dome, Starlight, WDR, Intelligent, 2MP, 33X, 1/2.8"CMOS, Day/night, H.265/H.264/M-JPEG, With wall mounted bracket, 316L Stainless Steel, 24VDC/24VAC
VP130-A220C771	HD Megapixel Explosion-proof IP PTZ Dome, Starlight, WDR, Intelligent, 2MP, 33X, 1/2.8"CMOS, Day/night, H.265/H.264/M-JPEG, With lifting bracket, 304 Stainless Steel, 24VDC/24VAC
VP130-A220C772	HD Megapixel Explosion-proof IP PTZ Dome, Starlight, WDR, Intelligent, 2MP, 33X, 1/2.8"CMOS, Day/night, H.265/H.264/M-JPEG, With lifting bracket, 316 Stainless Steel, 24VDC/24VAC
VP130-A220C773	HD Megapixel Explosion-proof IP PTZ Dome, Starlight, WDR, Intelligent, 2MP, 33X, 1/2.8"CMOS, Day/night, H.265/H.264/M-JPEG, With lifting bracket, 316L Stainless Steel, 24VDC/24VAC
Accessories	
Power Supply	
N3922-24A-2	AC to AC Power Supply, Plug-In, 230VAC, Output 24VAC, 3A
N3922-24D-2	AC to DC Power Supply, Plug-In, 230VAC, Output 24VDC 3A

MOUNTING

Wall mounting bracket
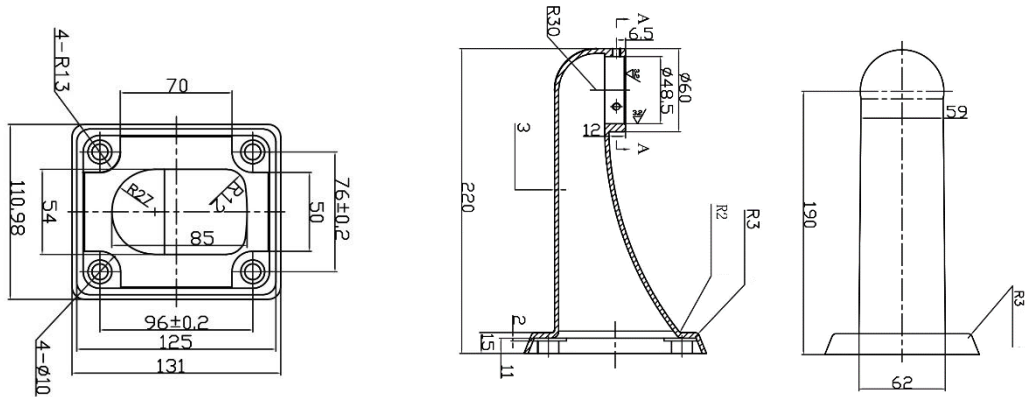
(Unit: mm)

Pendant mounting bracket

(Unit: mm)