VP130-A Series
HD Megapixel Explosion-proof IP PTZ Dome Camera

- Inbuilt 33X HD integrated camera module
- 1/2.8" progressive scanning CMOS sensor
- ICR infrared filter type automatic switch to realize true day/night surveillance
- Starlight-level ultra-low illumination
- Supports multi-frame composite pattern wide dynamic and the maximum dynamic range is 132dB
- HD network video output: 1920x1080@60fps
- Features smart functions and achieves border protection (wire cross and intrusion detection supported)
- Supports intelligent tracking
- H.265+M-JPEG or H.264+M-JPEG video encoding, three video streams
- Supports dual SD card
- Supports alarm recording and snapshot
- 2 alarm inputs and 1 alarm output
- Supports motion detection, up to 4 areas
- Supports multiple ways to trigger alarms, such as I/O input, motion detection, intelligent analysis, SD card removal, network disconnection, heartbeat loss, etc.; supports flexible alarm associated configurations, such as I/O output, email, FTP uploading, audio and SD card snapshot and recording
- Supports Region of Interest (ROI), up to 8 regions
- Allows multiple users to perform live access and parameters settings via Web Server
- Supports preset, aut.pan, pattern, autoscan, time tour, normal tour, home return, etc.
- Compatible with Infinova’s digital video surveillance software and convenient to integrate with other video surveillance software
- Supports ONVIF Profile S & Profile G
- Provides standard SDK, easy to integrate with third platform
- Supports RS485 control
- Ex d IIC T6 Gb /Ex tD A21 IP68 T80°C
- Optional with 304 /316 stainless steel, IP68 rating
- Use in flammable and explosive hazardous areas

VP130-A Series HD Megapixel Explosion-proof IP PTZ Dome Camera is advanced explosion-proof surveillance equipment. It has the advantages of both traditional explosion-proof facilities and smart dome cameras, featuring good-looking appearance, lightweight and flexible, easy operation, etc. The security is ensured while the usability of the explosion-proof monitoring device is increased dramatically. The product can be used independently in indoor environment where combustible and explosive gas is available.

VP130-A Series HD Megapixel Explosion-proof IP PTZ Dome provides users a set of full digital, high-definition, high frame rate and high SNR real-time images acquisition system.

VP130-A Series is high definition smart IP dome camera that supports 1920x1080@60fps HD network video output. It adopts H.265/H.264/M-JPEG encoding and its output provides excellent definition and color revivification degree which enables the acquisition of rich and accurate details so as to effectively guarantee smart analysis accuracy.

VP130-A Series IP PTZ Domes facilitate setup and operation via Web interface by using mouse. Under PTZ control status, it has the features of zoom area and image PTZ control.
## Technical specifications

### Lens
- **Optical Zoom**: 33X
- **Image Sensor**: 1/2.8" Sony progressive scanning CMOS sensor
- **Iris control**: Auto/Manual
- **Focal Length**: F1.6~F5.0, f=4.6~152mm
- **Focus control**: Auto/Manual
- **Angle of View**: 62.3° (wide) ~ 1.89° (tele)
- **Min. Work Distance**: 0.01m (Wide) ~ 1.5m (Tele)
- **S/N Ratio**: >62dB
- **Shutter**: Auto, Manual (adjustment range 1/1-1/2000s)
- **DSS**: Available
- **Day/Night Switch**: ICR
- **Sensitivity**: Color mode: 0.001lux @F1.6 (AGC ON)
  B/W mode: 0.0001lux @F1.6 (AGC ON)

### Video
- **Compression**: H.265 /H.264 switchable
- **Encoding Capability**: M-JPEG independent encoding
- **Video Adjustment**: Brightness, contrast, saturation, chroma, sharpness
- **Noise Reduction**: 3D
- **Defog**: Available
- **EIS/ BLC /HLC**: Available
- **Mirror**: Horizontal, vertical
- **Privacy Mask**: Up to 4 privacy regions
- **Motion detection**: Up to 4 detection regions
- **ROI**: Up to 8 regions
- **Smart Video Analysis**: Wire cross, area intrusion
- **Intelligent Tracking**: Rule-triggered tracking and manual-triggered tracking

### Storage
- **Inbuilt**: Supports dual cards, compatible with Micro SD/SDHC/SDXC card (single card up to 256G)

### Alarm
- **Port**: 2 alarm inputs, 1 on / off output
- **Input**: I/O input, motion detection, intelligent analysis, SD card removal, network disconnection, heartbeat loss
- **Association**: I/O output, email, FTP picture uploading, audio, SD card recording and SD card snapshot

### PTZ Functions
- **Preset**: 1024
- **Pattern**: 12
- **Autopan**: 12
- **Normal Tour**: 16 groups (each tour can link to 14 actions from which can be selected among Presets 1~32, Patterns 1~4 and Autopan 1~4)
- **Home Return**: Available
- **Timing Tour**: Available
- **Autoscan**: Available
- **Area Zoom**: Available

### System Functions
- **Operating System**: Windows XP, Win7, Win8

### Camera
- **White Balance**: Auto/Manual/Outdoor
- **WDR**: Supports multi-frame composite pattern wide dynamic with a range up to 132dB
- **Video Adjustment**: Brightness, contrast, saturation, chroma, sharpness
- **Noise Reduction**: 3D
- **Defog**: Available
- **EIS/ BLC /HLC**: Available
- **Mirror**: Horizontal, vertical
- **Privacy Mask**: Up to 4 privacy regions
- **Motion detection**: Up to 4 detection regions
- **ROI**: Up to 8 regions
- **Smart Video Analysis**: Wire cross, area intrusion
- **Intelligent Tracking**: Rule-triggered tracking and manual-triggered tracking

### Storage
- **Inbuilt**: Supports dual cards, compatible with Micro SD/SDHC/SDXC card (single card up to 256G)

### Alarm
- **Port**: 2 alarm inputs, 1 on / off output
- **Input**: I/O input, motion detection, intelligent analysis, SD card removal, network disconnection, heartbeat loss
- **Association**: I/O output, email, FTP picture uploading, audio, SD card recording and SD card snapshot

### PTZ Functions
- **Preset**: 1024
- **Pattern**: 12
- **Autopan**: 12
- **Normal Tour**: 16 groups (each tour can link to 14 actions from which can be selected among Presets 1~32, Patterns 1~4 and Autopan 1~4)
- **Home Return**: Available
- **Timing Tour**: Available
- **Autoscan**: Available
- **Area Zoom**: Available

### System Functions
- **Operating System**: Windows XP, Win7, Win8

### Browser
- **IE7, IE8, IE9, IE10, IE11**

### Access Protocol
- **ONVIF2.4, CGI**

### Web Server
- **Available**

### Remote Upgrade
- **Available**

### Password Protection
- **Available**

### IP filter
- **Available**

### RS485 Port
- **Supports 1*RS485**

### IP
- **Port**: 1*RJ45 10/100M self-adaptive Ethernet port

### Protocol
- **IPv6, TCP, UDP, IGMP, DHCP, FTP, SMTP, NTP, RTSP, RTCP, HTTP, HTTPS, TSL, SSL, QoS, PPPoE, DNS, DDNS, ARP, ICMP, UPnP, IP filter**

### Mechanical
- **Manual Horizontal Speed**: 0.01° ~ 800°/s
- **Manual Vertical Speed**: 0.01° ~ 240°/s
- **Preset Speed**: Up to 500°/s
- **Horizontal Scan Angle**: 360° continuous scanning
- **Vertical Scan Angle**: 8° ~ 90° (auto-flip)
- **Preset Accuracy**: <±0.1°

### Electrical
- **Electric Motor**: Stepping motor
- **Power Supply**: 24VAC (+35%) / 24VDC (+30%) self-adaptive
- **Power**: 24VAC: 35W (outdoor)
  24VDC: 33W (outdoor)

### Reliability
- **Anti-Static**: Contact protection 7KV, Air discharge 9KV
- **Surge Protection**: 6KV
- **Rating**: IP 68

### Environmental
- **Atmospheric Pressure**: 86kpa~110kpa
- **Operating Temperature**: -40°F ~ +158°F (-40°C ~ +70°C) (outdoor)
- **Operating Humidity**: 0 ~ 95%RH (non-condensing)
- **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

### Physical
- **Material**: 304/316 stainless steel
- **Mounting**: Wall mount, Pendant mount
- **Product Dimension**: 12.19" x 9.37" x 15.12"
  (309.5mm x 238mm x 384mm)
- **Net Weight**: 26.46lbs (12kg)

### Certifications and Approval
- **CNEx, Ex d IIC T6 Gb /Ex tD A21 IP68 T80°C 1**, IECEx, Ex db IIIC T6 Gb, Ex tb IIIC T80°C Db 2, ISO 9001:2008
- **Certificate No.**: 1 CNEx 15.1546X; 2 IECEx CQM 17.0025X;
Ordering information

**VP130-A220C761**  HD Megapixel Explosion-proof IP PTZ Dome, Starlight, WDR, Intelligent, 2.0M, 33X, 1/2.8" CMOS, Day/Night, H.265/H.264/MJPEG, with wall mounted bracket, 24VDC/24VAC, 304 stainless steel

**VP130-A220C762**  HD Megapixel Explosion-proof IP PTZ Dome, Starlight, WDR, Intelligent, 2.0M, 33X, 1/2.8" CMOS, Day/Night, H.265/H.264/MJPEG, with wall mounted bracket, 24VDC/24VAC, 316 stainless steel

**VP130-A220C771**  HD Megapixel Explosion-proof IP PTZ Dome, Starlight, WDR, Intelligent, 2.0M, 33X, 1/2.8" CMOS, Day/Night, H.265/H.264/MJPEG, with lifting bracket, 24VDC/24VAC, 304 stainless steel

**VP130-A220C772**  HD Megapixel Explosion-proof IP PTZ Dome, Starlight, WDR, Intelligent, 2.0M, 33X, 1/2.8" CMOS, Day/Night, H.265/H.264/MJPEG, with lifting bracket, 24VDC/24VAC, 316 stainless steel

**Notes:** VP130's pigtail cable only includes power input, RS485, network output, GND, 2-ch alarm input and 1-ch alarm output. The pigtail cable is about 1.16m (from the top of dome camera to the end of the pigtail cable). Customers have to prepare the explosion-proof cable-protecting pipe. Please make sure that the length of the pipe satisfies the location needs.

Wall mounting bracket

Pendant mounting bracket