VH131-A2 Series

HD 2MP IR IP PTZ Dome Camera

Infinova®
The Integrator's Manufacturer

HD | 2.0 2.0 Mega Pixels | IR | H.265 M–JPEG | H.264 M–JPEG | http:// Web Server

Three Video Streams | DSS Digital Slow Shutter | WDR Wide Dynamic Range | ONVIF | IP66 IP66
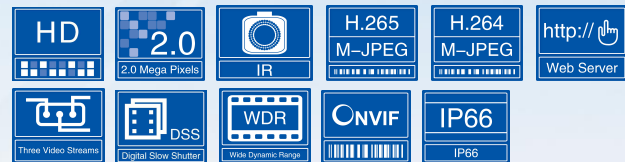
- Built-in 20X network camera module, 1/2.8" CMOS sensor
- Embedded high-efficiency IR light with a wavelength of 850nm, ensuring long period time of stable use and reducing maintenance charge
- The night vision can reach 150m
- The output power of the IR light can be automatically adjusted according to the lighting intensity of a scene (Smart IR)
- H.264 high profile/M-JPEG dual-encoding, three video streams
- The maximum resolution is up to 1920×1080 @ 30fps
- Remote network PTZ control
- Supports 3D positioning (area zoom), image PTZ control
- Supports dome title setting and display
- Various white balance modes
- Local PC recording
- Built-in TF card storage
- Supports preset, auto-pan, pattern, auto-scan, timing tour, tour, home position, etc.
- Compatible with Infinova's digital video surveillance software
- Provides standard SDK, easy to integrate with other video surveillance software
- Onvif Profile S compliant
- Supports remote network upgrade
- IP66, embedded heater and air circulation system, featuring defog function

Infinova VH131-A2 series megapixel IR network dome camera can provide users with a set of full digital live image acquisition system featuring high definition, high frame rate, and high signal-noise ratio.

This series HD IR network domes support H.264 (major and minor stream) and M-JPEG compression formats and three simultaneous video streams. With an embedded 20X HD integrated network camera module, its maximum resolution reaches 1920×1080 @ 30fps.

This product is built in with a large power LED infrared light. The length of the IR light wave is 850nm and the night vision is up to 150m, featuring strong lighting intensity. It adopts SMART IR technology and the output power of the IR light can be automatically adjusted according to the lighting intensity of a scene.

The user-friendly GUI interface design enables users to perform PTZ control as well as the configuring of camera parameters conveniently via the network. Under Web interface, the user can conduct configuration and operations via a mouse which provides more convenience compared with a traditional keyboard. It supports 3D positioning and image PTZ control.

The VH131-A2 series megapixel IR network dome also features regular dome functions such as preset, pattern, autopan, autoscan, timed tour and normal tour.

Technical specifications

Camera

Optical Zoom`	20X
Image Sensor	1/2.8" CMOS
Aperture/Focal Length	F1.6~F3.5, f=4.7~94mm
Angle of View	58.7° (Wide) ~ 3.2° (Tele)
Min. Work Distance	0.5m (Wide) ~ 1.5m (Tele)
Shutter	Auto/Manual (1/25~1/8000s, 12 levels adjustable)
Sensitivity	Color mode: 0.05 lux @ F1.6 AGC ON; B/W mode: 0 lux (IR on)

PTZ

Preset	1~255
Pattern	4
Autopan	4
Tour	6 groups (each tour consists of up to 14 acts which can be preset 1~32, pattern 1~4, autopan 1~4)
Home Position	Available
Timing Tour	Available
Autoscan	Available
Area Zoom	Available
Web Server	Available
Remote Upgrade	Available

IR

Wavelength	850nm
Night Vision	150m

Video

Video Compression Standard	H.264 high profile/M-JPEG
Max. Resolution	1920×1080 @H.264 /M-JPEG
Optional Resolution	H.264 major stream options: 1920×1080, 1280×1024, 1280×960, 1280×720, 1024×768, 800×600 H.264 minor stream options: 720×576, 720×480, 640×480, 352×288, 352×240 MJPEG stream options: 1920×1080, 1280×1024, 1280×720, 720×480
Max. Frame Rate	30fps@1920×1080
Output Date Rate	Variable bit rate: Constant bit rate: 256Kbps ~ 8Mbps
Network Delay	<250ms
Video Parameter Adjustment	Supports configurations of white balance, exposure, day-night switch, gain control, mirror, 3D noise reduction, WDR, backlight compensation, etc.

Image Effect	Brightness, sharpness, saturation, contrast

Storage

Inbuilt Storage	Inbuilt TF card slot, it is recommended to use a 32G storage TF card. The card shall be purchased separately and needs factory preassembly.

IP

Network Interface	1x10M/100M self-adaptive Ethernet port, RJ-45
Network Protocol	IPv4, TCP, UDP, IGMP, DHCP, FTP, SNMP(V3), SMTP, NTP, RTP, RTSP, RTCP, HTTP, HTTPS, TSL, SSL, 802.1X, QoS, PPPoE, DNS, ARP, ICMP

Mechanical

Manual Pan Speed	0.1° ~ 160°/s
Manual Tilt Speed	0.1° ~ 100°/s
Preset Speed	Up to 200°/s
Pan Angle	360° continuous
Title Angle	-4° ~ 90°
Preset Accuracy	<0.1°
Motor	Stepping motor

Electrical

Power Source	24VAC/24VDC
Power	<54W(IR ON) <22W(IR OFF)

Reliability

Anti-static	±8KV (Ethernet port, power port)
Lighting Protection	±4KV (Ethernet port, power port)
Impact Resistance	IK10

Environmental

Operating Temperature	-40°F ~+140°F (-40°C ~+60°C)
Operating Humidity	0 ~ 95%RH (non-condensing)
Installation	Wall mount, pendant mount

Physical

Product Dimension (HxD)	14.28" × 8.9" (362.8mm × Φ226mm)
Box Dimension (LxWxH)	19.09" × 11.02" × 11.81" (485mm × 280mm × 300mm)
Unit Weight	10.80lbs. (4.90kg)
Shipping Weight	14.22lbs. (6.45kg)

Certifications and Approval

Product Certifications	CE1, FCC2, IP663, IK104

Certificate No.: 1CTL1605181779-EC; 2CTL1605181779-FC; 3TRS16070023; 4EM16
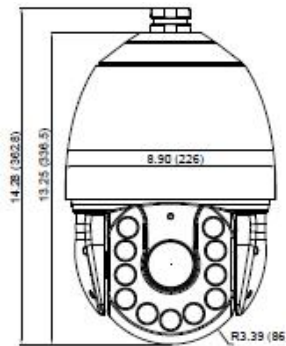
Ordering information

VH131-A220-B360	Megapixel IR network domes, 2.0Mpx., 20X, 1/2.8'' CMOS, day/night, H.264/MJPEG, outdoor, bracket mount, 24VAC/24VDC

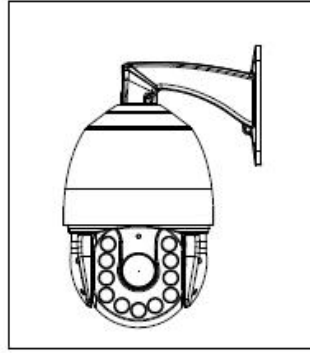Note: The installation bracket shall be purchased separately.

Bracket model:

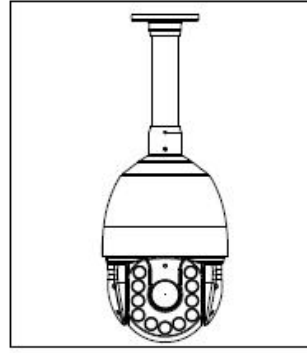|	
V1761H	Wall mount bracket
V1764H	Pendant mount bracket

Dimensions

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

Mounting
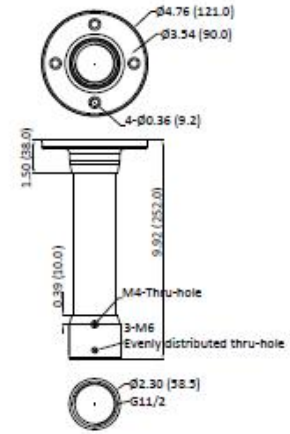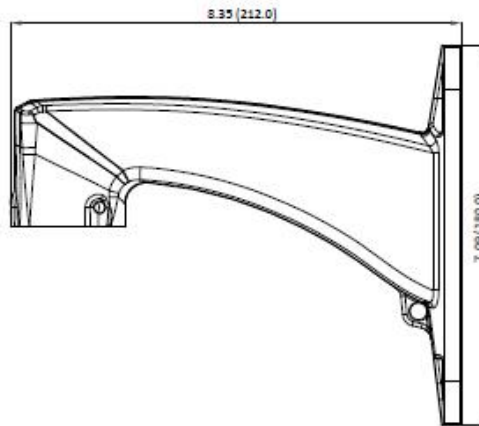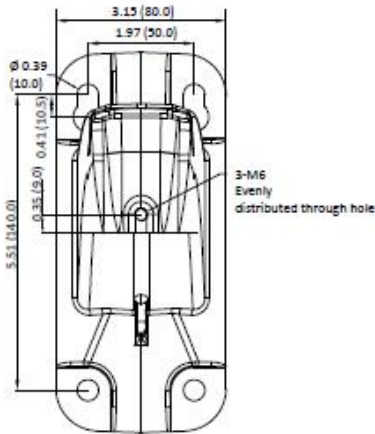

Wall Mount

Pendant Mount

Bracket Dimension

3.15 (80.0)
1.97 (50.0)
Ø 0.39 (10.0)
0.41 (10.5)
0.35 (9.0)
5.51 (140.0)

3-M6
Evenly
distributed through hole

8.35 (212.0)

7.09 (180.0)

Ø4.76 (121.0)
Ø3.54 (90.0)
4-Ø0.36 (9.2)

1.50 (38.0)
0.39 (10.0)
9.92 (252.0)

M4-Thru-hole
3-M6
Evenly distributed thru-hole

Ø2.30 (58.5)
G11/2

(Unit: inch, in the parentheses is mm)