

VT231-A2 SERIES

HD 2MP SMART STARLIGHT WDR IR IP PTZ DOME CAMERA

Infinova®



FEATURES

- Built-in 30X HD integrated camera module
- 1/1.9" Large area 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 120dB
- Inbuilt efficient infrared lamps, wave length 850nm, ensure stable long-term use and reduce maintenance cost
- Night vision distance up to 200 meters
- The ways of turning on the infrared lamps can be flexible to meet diversified surveillance environment demands
- The infrared power is adjusted automatically based on dome drive zooming or manually to optimize the night vision fill-in light effects
- HD network video output: 1920×1080@60fps
- Features smart functions to achieve border protection (wire cross, intrusion)
- Supports intelligent tracking
- H.265+M-JPEG or H.264+M-JPEG video encoding, three streams
- Supports dual SD card
- Supports alarm recording and alarm snapshots
- Bi-directional audio, G.711-A/G.711-U/G.726/AAC standard optional
- Two alarm inputs and one alarm output
- Supports motion detection, 4 detecting areas dividable
- Supports Region of Interest (ROI), 8 regions dividable
- Allows multiple users to perform live access and parameters settings via Web Server
- Supports preset, autopan, pattern, autoscan, time tour, normal tour, power-on return, etc.
- Supports ONVIF Profile S/G & T standard
- Standard SDK, easy to integrate with other digital system
- Supports RS485 control and analog video output for easy debugging
- IP67 protection rate, inbuilt a heater and air circulation system to avoid icing
- IK10
- Supports remote network upgrade

DESCRIPTION

VT231-A2 series HD IR IP dome camera provides high quality video with the resolution up to 1920x1080@60fps, adopts H.265/H.264/M-JPEG compression formats, and boasts of excellent resolution and color reproduction ability to ensure richer and more accurate details to be acquired and also guarantee the accuracy of intelligent analysis in a more effective way.

This product adopts large power LED infrared lamps, infrared wave length 850nm, long night vision distance up to 200m, strong illumination. The IR lamps can turn on or off automatically based on environmental lighting conditions or can be adjusted manually. The IR illumination allows flexible adjustment so as to reduce IR lamp calorific value and extend its service life.

User-friendly GUI interface design allows users to perform dome PTZ control easily via network and to configure detailed camera parameters settings. At Web interface users can perform dome camera settings and operations by using a mouse which is more convenient than the traditional keyboard control. It also supports area zoom and image PTZ function.

VT231-A2 series dome cameras also feature general dome functions such as preset, pattern, autopan, autoscan, time tour and normal tour.

TECHNICAL SPECIFICATIONS

Lens (Visible)		Image		
Image Sensor	1/1.9" progressive scanning CMOS	Shutter	Auto/Manual (1/1~ 1/32000s)	
Optical Zoom	30X	WDR	Up to 120dB	
Digital Zoom	12X	Exposure	Auto/Manual/Shutter	
Focal Length	f=6~180mm	Sensitivity	Color mode: 0.001 lux @ F1.6 (AGC ON); B/W mode: 0.0001 lux @ F1.6 (AGC ON); 0 lux (IR ON)	
Iris	F1.6~F4.8			
Focus	Auto/Manual			
FOV(H/V/D)	H: 2°~59°; V: 1°~34°; D: 2°~66°	White Balance	Auto/Manual/Outdoor	
Lens Mount	-	Video Adjustment	Brightness, contrast, saturation, chroma, sharpness	
Lens (Thermal)		Noise Reduction	3D	
Imager Type	-	S/N Ratio	>62dB	
Lens Type	-	Defog	Available	
Spectral Band	-	EIS	Available	
Pixel Size	-	Mirror	Horizontal, Vertical	
NETD	-	Corridor Mode	-	
Focal Length	-	Day/Night Switching	ICR	
FOV	-	AGC	Available	
Video		BLC	Available	
Camera Resolution (Visible Lens)	2MP	HLC	Available	
Camera Resolution (Thermal Lens)	-	Privacy Mask	Up to 4 definable zones	
Max. Coding Capacity (Visible Lens)	Major stream: H.264/H.265-60fps@1920x1080 Minor stream: H.264/H.265-30fps@640x480 Third stream: M-JPEG -5fps@1920x1080	ROI	Up to 8 definable zones	
Max. Coding Capacity (Thermal Lens)	-	OSD	Supported	
Data Rate	VBR/CBR Major stream: 256kbps~10240kbps	Pan/Tilt Functions		
Video Compression	H.265 /H.264/M-JPEG independent coding	Preset	1024	
Multi-Streaming	Three-stream independent output	Pattern	12	
Video Rotation	Video can be rotated by 90°, 180°	Autopan	12	
Audio		Normal Tour	16 groups (each tour can link to 14 actions, optional with Presets 1~32, Patterns 1~4 and Autopans 1~4)	
Audio Compression	G.711-A/ G.711-U/ G.726/ AAC		Home Return	Available
Sample Rate	8KHz (for G.711-A/G.711-U/G.726), 16KHz, 32KHz, 44.1KHz or 48KHz (for AAC)		Timing Tour	Available
Audio Interface	1 input, linear level, impedance: 1kΩ 1 output, linear level, impedance: 600Ω		Autoscan	Available
Two-way Audio	Available	Area Zoom	Available	
Mic & Speaker	-	IR Illumination		
		Smart-IR	Available	
		Wave Length	850nm	
		Night Vision Distance	200m	
		Temperature Measurement		
		Screening	-	
		Function	-	
		Measurement	-	

TECHNICAL SPECIFICATIONS

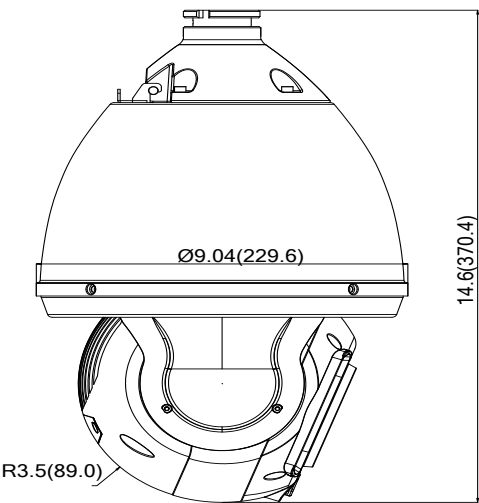
Measurement Distance	-
Measurement Range	-
Accuracy	-
Smart Analytics	
Video Analytics	Motion detection - Up to 4 detection areas Smart Video Analysis - Wire cross, area intrusion Intelligent Tracking - Rule-triggered tracking and manual-triggered tracking
Storage	
Storage Slots	Supports dual cards
Built-in Storage	Up to 512GB
NAS Storage	-
Local PC Recording	Available
Alarm	
Alarm Ports	2 alarm inputs, 1 on/off output
Alarm Input	I/O input, motion detection, intelligent analysis, SD card removal, network disconnection, heartbeat loss
Alarm Association	I/O output, email, FTP picture uploading, audio, SD card snapshot, SD card recording
System Functions	
Operating System	Win 7 or above versions
Browser	IE8 or above versions
Access Protocol	ONVIF Profile S/G/T, CGI 2.7
Multiple Access	Up to 5-ch simultaneous access
Web Server	Available
Remote Upgrade	Available
Password Protection	Available
RS485 Port	Supports, 1*RS485
Analog Video Output	Supports, 1*BNC port
Maximum Number of Users	32, 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	IPv6, TCP, UDP, IGMP, DHCP, FTP, SNMP, SMTP, NTP, RTP, RTSP, RTCP, HTTP, HTTPS, TLS, SSL, QoS, PPPoE, DNS, DDNS, ARP, ICMP, UPnP
IP Address Filtering	Support blacklist and whitelist filtering
Network Delay	<160ms
Environmental	
Anti-Static	Air discharge 14KV, Contact protection 8KV
Surge Protection	±8KV
Operating Temperature	-49°F ~ 158°F (-45°C ~ 70°C) (outdoor) -4°F ~ 140°F (-20°C ~ 60°C) (PoE+, outdoor)
Storage Temperature	-4°F~140°F (-20°C~60°C)
Operating Humidity	≤95% RH
Environmental Rating	IP67
Impact Resistance	IK10
Mechanical	
Manual Speed	Pan: 0.01° ~ 1000°/s; Tilt: 0.01° ~ 300°/s
Preset Speed	Up to 400°/s
Rotation Angle	Pan: 360°; Tilt: -5° ~ 90° (auto-flip)
Preset Accuracy	<±0.1°
Electric Motor	Stepping motor
Electrical	
Power Supply	PoE+ (IEEE802.3at type2 Class4)/ 24VAC/ 24VDC
Power Consumption	<17W (idle state); <55W (Heater on, IR lamp manually adjusted to maximum); <50W (PoE+)
Physical	
Product Dimension (L×W×H) or (H x D)	14.6" × Φ9.04" (370mm × Φ229.6mm)
Package Dimension (L x W x H)	19.09" × 11.02" × 11.81" (485mm × 280mm × 300mm)
Unit Weight	12.79 lbs (5.8kg)
Shipping Weight	16.76 lbs (7.6kg)
Certifications	
Product Certifications	CE, FCC, RoHS, IP67, IK10, UL

ORDERING INFORMATION

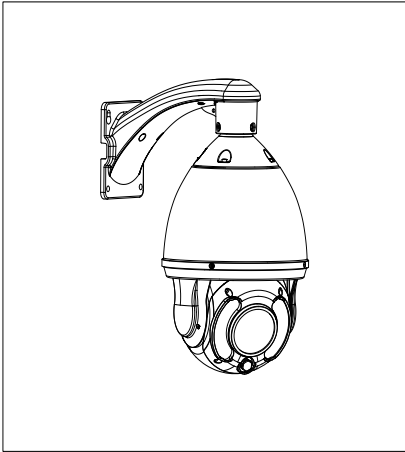
VT231-A230-A061	HD Megapixel IR IP PTZ Dome Camera, 2MP, 30X, 1/1.9" CMOS, Day/night, H.265/H.264/M-JPEG, With audio alarm, Outdoor, Bracket mount, PoE/24VDC/24VAC
Accessories	
Mount	
V1761K	Wall Mount, bayonet, 10 inches
V1762K	Corner Mount, bayonet, 10 inches
V1763K	Pole-side Mount, bayonet, 10 inches
Power Supply	
N3922-24D-3	AC to DC Power Supply, Plug-In, 230VAC, Output 24VDC, 3A
N3922-24A-3	AC to AC Power Supply, Plug-In, 230VAC, Output 24VAC, 3A
N3922-75P-2	Smart POE Injector, 100VAC-240VAC input, 75W output

DIMENSIONS

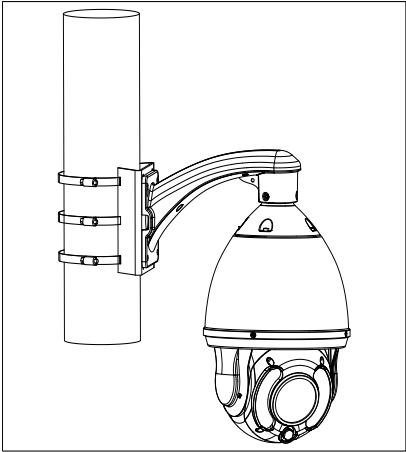


(Unit: inch, in the parentheses is mm)

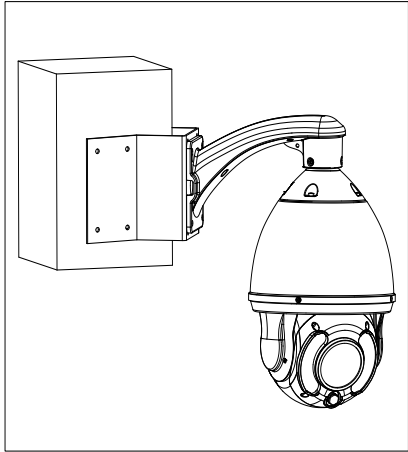
MOUNTING



Wall mounting



Pole mounting



Corner mounting