VT240-A222-A3 Series

HD 2MP Integrated IP PTZ Camera System

Infinova®
The Integrator's Manufacturer

- **2.0** Mega Pixels
- **1/1.9" CMOS** CMOS
- **H.265** M–JPEG
- **H.264** M–JPEG
- **WDR** Wide Dynamic Range
- **DSS** Digital Slow Shutter
- Three Video Streams
- **http://** Web Server
- **ONVIF**
- **IP66**
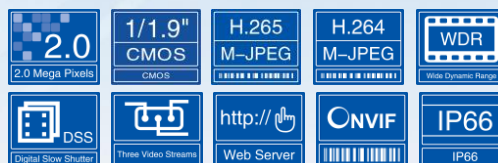
- Built-in with 22X HD integrated camera module
- 1/1.9" Progressive -scanning CMOS
- Star-grade sensitivity: 0.0001lux
- Support multi-frame combination WDR, up to 120dB
- Resolution up to 1920×1080@30fps
- Support area zoom, image PTZ
- Support E-zoom and image overlapping
- Support smart functions like wire cross detection and regional intrusion detection
- Three Simultaneous Video Streams: H.265+M-JPEG/H.264+M-JPEG
- Supports TF card storage/NAS storage
- Supports alarm recording and alarm snapshot
- Two-way audio, G.711-A/G.711-U/AAC
- 2 alarm inputs, 1 alarm output
- Supports motion detection, up to 4 areas
- Supports multiple ways to trigger alarm: I/O input, motion detection, intelligent analysis, SD card removal, network disconnection, heartbeat loss; supports flexible alarm association settings: I/O output, email, FTP upload, audio, TF card recording
- Supports Region of Interest (ROI), up to 8 areas
- Supports real-time access and parameter configuration via Web Server by multiple users simultaneously
- Presets, AutoPans, Patterns, AutoScan, Timed Tour, Normal Tour and Home Return
- Onvif Profile S & Profile G complaint
- High strength aluminum-alloy casting, heat and corrosion resistant
- Window wiper, built-in heater and window defroster
- Operational in 90mph wind conditions, withstanding wind velocity of up to 130mph
- RS485 remote control and analog video output
- IP66 environmental rating
- Upgrade online

Infinova's VT240-A222-A3 series HD megapixel integrated IP PTZ camera system features a set of full digital real-time image acquisition system to deliver clear images at high frame rate and excellent signal-to-noise ratio.

VT240-A222-A3 series which is built-in with 22X HD camera module, provides 1920×1080@30fps resolution, H.265/H.264/M-JPEG compression formats, and three simultaneous video streams.

The PTZ cameras offer a user-friendly GUI interface, which makes it easy to adjust the video parameters and perform the PTZ operation. In addition, functions like area zoom and image PTZ are also available.

The PTZ cameras also feature such functions as Presets, Patterns, AutoPans, AutoScan and Normal Tour.

Its powder-coated aluminum construction, absolute operating temperature range of -40°F~140°F (-40°C~60°C) and built-in heater and defroster automatically enabled at low temperatures makes it an ideal surveillance solution for both indoor and outdoor applications.

Technical specifications

Lens

Optical Zoom	22X
Aperture/ Focal Length	F1.5~F3.4, f= 6.36~138.5mm
Field of View	H: 3°~60°; V: 2°~44°; D: 4°~70°
Min. Work Distance	0.3m (Wide) ~1.9m (Tele)

Camera

Image Sensor	1/1.9" CMOS
Scanning System	Progressive Scanning
Effective Pixels	2.0Mpx
S/N Ratio	>55dB
Sensitivity	Color mode: 0.001lux @F1.5 (AGC ON) B/W mode: 0.0001lux @F1.5 (AGC ON)
WDR	120dB, multi-frame WDR
Privacy Mask	Up to 4 areas
ROI	Up to 8 areas
Iris	Auto, Manual, M/A
Focus	Auto, Manual, M/A
Shutter	Auto/Manual (PAL: 1/25-1/32000; NTSC: 1/30-1/32000s)
Image Mirror	H-mirror/V-mirror
DNR	3D
White Balance	AUTO/MANU/OUTDOOR
AGC	Available
BLC	ON/OFF
HLC	ON/OFF
EIS	ON/OFF
Defog	Available
Others	Sharpness, contrast, brightness, hue and saturation adjustable

Functions

Programmable Presets	1024
Programmable Patterns	12
Programmable Autopans	12
Normal Tours	16 (each tour can be associated with 14 acts, including Preset 1~32, Pattern 1~4, AutoPan 1~4)
Home Return	Available
Timed Tours	Available
Auto Scan	Available
Motion Detection	4 areas
Area Zoom	Available
Web Server	Available
Upgrade Online	Available

Video

Compression	H.265/H.264 switchable M-JPEG independent encoding
Encoding Capacity	1080P@30fps+720P@30fps+MJPEG1080P@5fps
Data Rate	Variable bit rate (vbr); Constant bit rate (cbr): 256Kbps~10000Kbps
Network Delay	<300ms

Audio

Compression	G.711-A/G.711-U/AAC
Sampling Rate	8KHz (for G.711-A, G.711-U); 16KHz, 32KHz, 44KHz, 48KHz (for AAC)
Ports	1 input, linear level, impedance: 1kΩ 1 output, linear level, impedance: 600Ω

Smart Functions

Smart Functions	Wire cross, intrusion

Alarm

Alarm Port	2 alarm inputs, 1 relay output
Alarm Input	I/O input, motion detection, intelligent analysis, SD card removal, network disconnection, heartbeat loss
Alarm Association	I/O output, email, FTP upload, audio, TF card recording

Storage

Internal Storage	Supports Micro SD/SDHC/SDXC card (128G)

System Functions

Operating System	Windows XP, Windows Vista, Win7, Win8
Browser	IE7, IE8, IE9, IE10, IE11
Access Protocols	ONVIF2.4, CGI
Web Server	Available
Online Upgrade	Available
Password Protection	Available
Black & White List	Available
RS485 Port	Available, 1-ch RS485
Analog Video Output	Available, 1-ch BNC port

IP

Network Port	1 RJ45 10/100M self-adaptive Ethernet port
Network Protocol	IPv6, TCP, UDP, IGMP, DHCP, FTP, SNMP, SMTP, NTP, RTP, RTSP, RTCP, HTTP, HTTPS, TSL, SSL, QoS, PPPoE, DNS, DDNS, ARP, ICMP, UPnP

Mechanical

Variable Speed	Pan: 0.1°~50°/s; Tilt: 0.1°~45°/s
Preset Speed	Pan: 85°/s (max.); Tilt: 40°/s (max.)
Rotation Angle	Pan: 360°; Tilt: +40° ~ -85°

Electrical

Power Supply	24VDC/24VAC self-adaptive
Power Consumption	60W (max.)

Environmental

Atmospheric Pressure	≤1.5MPa
Operating Temp.	-40°F~140°F (-40°C~+60°C)
Storage Temp.	-4°F~140°F (-20°C~+60°C)
Operating Humidity	0~95%RH (non-condensing)
Defroster	Thermostatically controlled, Turn on at 50°F±9°F (10°C±5°C); Turn off at 86°F±9°F (30°C±5°C)

Reliability

Antistatic Protection	8KV contact, 9KV air discharge
Surge Protection	4KV

Physical

Construction	High-strength aluminum alloy, stainless steel
Environmental Rating	IP66
Mounting	Surface, wall, pole side, corner, pole top
Window Type	HD clear glass
Window Size	2.32" × 2.32" (59mm×59mm)
Load	Pan: 22lbs. (10kg); Tilt: 7.7lbs. (3.5kg)
Unit Weight	22.27 lbs (10.1kg)
Shipping Weight	31.97 lbs (14.5kg)
Box Dimensions (L×W×H)	22.99"×16.81"×10" (584mm×427mm×254mm)

Certifications and Approval

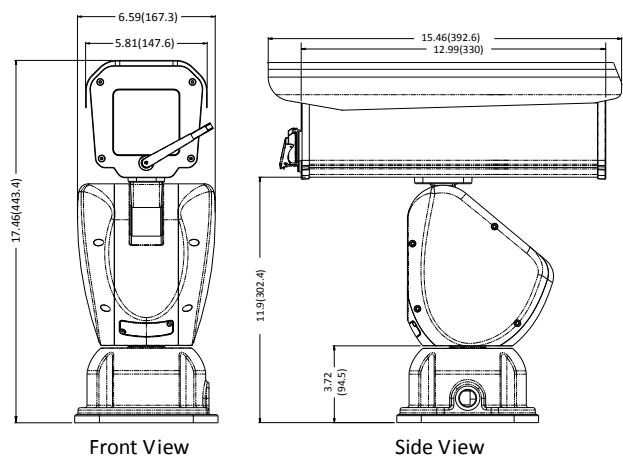|	
Product Certifications	CE, FCC, ISO 9001: 2008

Ordering information

VT240-A222-A3   HD 2MP Integrated IP PTZ Camera System (2.0Mpx, 22X optical zoom, day/night, 1/1.9-inch progressive scan CMOS, H.265/H.264/M-JPEG, NTSC/PAL, 24VDC/24VAC, w/ audio alarm)

Note: Mounting brackets shall be ordered separately.

Recommended Installation Mounts

V1662-W1:   Wall Mount, 15"
V1662-S1:   Pole Side Mount, 15"
V1662-C1:   Corner Mount

Dimensions

6.59(167.3)
5.81(147.6)
17.46(443.4)
15.46(392.6)
12.99(330)
11.9(302.4)
3.72(94.5)

Front View   Side View

(Unit: inch, in the parentheses is mm)

Mounting

| Surface Mount | Wall Mount | Pole Side Mount | Corner Mount | Pole Top Mount |