

# VTD-MV8NZ213PN

Virtuoso Series 8 MegaPixel [4K] IP-68 WDR IP Vandal Proof Dome Camera [preliminary specs]



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Virtuoso



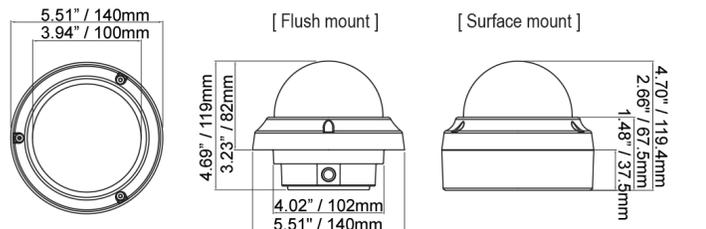
4K  
8MP



## KEY FEATURES

- 1/2.8" 8.46 MegaPixel (Effective) Sony STARVIS® CMOS Sensor
- 8 MegaPixel (4K) Network Camera (3840 x 2160 @ 30/25fps)
- F= 2.7~13.5mm Motorized Varifocal Lens
- ONVIF Compliant with Zero Configuration, ONVIF Event Mapping
- 2 Hi Power IR LEDs (2x850nm) with up to 100' IR Range
- Adaptive Web-Based Resizing (Layout/Display Device Dependent)
- Triple Streaming H.265+, H.265, H.264+, H.264 & MJPEG
- HTML5 Playback
- Alarm Input/Output
- MicroSD Memory Card Slot (Supporting Local Recording up to 256GB)
- 120dB Dynamic Range with DOL (Digital Overlap) WDR @30/25fps
- Improved Noise Reduction with Enhanced XD-DNR
- Line Crossing, Field Intrusion, Appear / Disappear Smart Stream, Rol
- Events Trigger: Motion Detection, Tamper
- Motion Detection, Privacy Masking, Digital Zoom (8x), Backlight / Highlight Compensation, Mirror / Flip, Sens-up (Slow shutter), Hue, Contrast, Brightness / Saturation, Sharpness
- PoE (IEEE Std. 802.3af) and AC24V / DC12V
- Built-in Fan and Optimized Cooling System
- Flush and Surface Mounts Included. Wall Mount: VT-MV/WMT Adapters: VT-MV/PLMT (Pole), VT-MV/SB (Surface), VT-MV/TB (Tilted Base), VT-MV/JMT (Junction Mount)
- Double Sided Anti-Scratch Hard Coated Clear Bubble Dome, 3-Axis Gimbal
- IP68 Ingress Protection / IK10 Impact Rating
- 3-Year Warranty

## DIMENSIONS



- VT-MV/PLMT  
Optional Pole Adapter
- VT-MV/WMT  
Optional Wall Mount
- VT-MV/TB  
Optional Tilted Base  
15 Degree
- VT-MV/JMT  
Optional Junction Mount w/  
15 Degree Tilt
- VT-MV/SB  
\*INCLUDED\*  
Surface Mount

## SPECIFICATIONS

Imaging Sensor	1/2.8" 8.46MP RGB Bayer Array CMOS Sony STARVIS® Sensor
Resolution (Pixels)	3840(H) x 2160(V)
Sensitivity	Color : 0.15 Lux, B/W : 0.01 Lux
Scanning Mode	Progressive Scan
S/N Ratio	50dB
IR LEDs / Range	2 Hi Pwr 850nm IR LEDs / 100'
Lens	F=2.7~13.5mm F1.6, 4x Motorized Zoom Lens
Day/Night	ICR by Auto, Day, Night, External
Shutter Speed Control	Automatic: Min. 1/135,000 sec ~ Max.1/60 sec Manual: Min. 1/10,000 sec ~ Max.1/10 sec
Gain Control	Automatic: ~ Max. 54dB / Manual: ~ Max. 54dB (def. 1.2dB)
Auto White Balance Mode	Automatic, Outdoor, Shade, Clear Sky, Fluorescent Light, Light Bulb, Flame, Manual
Digi Overlap (DOL) WDR	120dB Dynamic Range w/ DOL: Triple Scan Images @ 30/25fps
DNR	XD-DNR (2D-NR, 3D-NR)
Functions	HLC/BLC, Motion Detection, Privacy Mask, D-Zoom(~x8), Mirror/Flip, Sens-up(Slow shutter), Brightness, Contrast, Saturation, Sharpness, Hue, LDC, Vertical View (90°/270°)
Operatin Conditions	-22°F~122°F (-30°C ~ +50°C) / Humidity : 20%RH ~ 80%RH
Dimensions	5.51" Base Dia x 4.69" H (140 x 119mm)
Weight	2.2lbs (1kg) without Surface Mount
Ingress Protection / Impact	IP68 / IK10
Housing	Aluminum Cast, Flush and Surface Mount, 3-Axis Gimbal, Double Sided Anti-Scratch Hard Coated Clear Bubble
Power Input	PoE(IEEE Std. 802.3af) , DC12V/AC24V <i>*Circuit protection against faulty connection in power polarity &amp; Isolated power supply to protect against ground loop problem</i>
Pwr Consump. DC12V, 24VAC	570mA (IR Off)/1080mA AC (IR On), 285mA (IR Off)/540 DC (IR On)
Power Consumption (PoE)	8.5 Watts
Video Compression	H.265+ (Smart), H.265, H.264+ (Smart), H.264 & MJPEG
Video Resolution	3840 x 2160 [4K], 3072 x 1728, 2560 x 1440, 1920 x 1080 [Full HD], 1600 x 900, 1280 x 720 [HD]
Video Frame Rate	Up to 30 / 25fps @ 3840 x 2160p
Video Streaming	Simultaneously H.265, H.265+ (Smart Stream), H.264, H.264+ (Smart Stream), MJPEG (Multi streaming) Independent Frame Rate and Bandwidth Control, VBR/CBR
FTP Uploading	MJPEG Still Image
Login Authority	Administrator, Operator, Guest
Security	Multi User Authority, IP Filter, HTTPS Video Stream, Import/Export
Network Time Sync.	Synchronize Computer/NTP Server, Manual
Software Reset	Restart, Reset, Factory Default
Remote Upgrade	Using Web Browser
Protocol	TCP/IP, UDP, IPv4/v6, HTTP, HTTPS, FTP, UPnP, RTP, RTSP, RTCP, DHCP, ARP, Zeroconf
Client Software	Built-In Web, ONVIF Compatible 3rd Party VMS
SD Memory Card	Slot for 256GB Micro SD Memory Card
Alarm	2-way Alarm Input / Output
SDK Support	API
NDA Compliant	Yes

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