



Shown with optional Housing & Sun Shield.



The VT-PTZ230HD offers a 2.38 MegaPixel high speed 3G-SDI PTZ camera solution which delivers real time live video @ 1920x1080p. Crystal clear images are achieved without tearing using a progressive scan CMOS image sensor.

**FEATURES**

- 1/2.8 2.38 MegaPixel Sony® “Exmor” CMOS Sensor
- 2.38 MegaPixel With full 1080p 3G-SDI (SMPTE 424M) @ 60fps / 30fps HD-SDI (SMPTE 292M) @ 30fps Output
- Built-in x30 times Optical Power Zoom Camera with x12 Digital Zoom
- True Night Shot function with Exmor ICR Day/Night Function.
- 248 Programable Presets
- 8 Patterns record and play back xuser preference of surveillance path up to 480° sec.
- 16 Scans: 8 speed steps with smooth vector scan.
- 8 Tours: Each tour consists up to 42 Presets, Patterns, and Scans
- 8 Alarm inputs with 0~8 Priority / 2 Auxiliary outputs programmable NC & NO.
- 8 Privacy Zones: 4 Polygon / Video off or 4 masked Block / Video off / Mosaic
- 64 steps of variable speed from 0.1°/sec to 105°/sec.
- Max manual speed 420°/sec with Turbo key pressed, Preset speed is 420°/sec.
- Programmable user preferences of speed (Changeable 60°/sec to 105°/sec).
- Addressable up to 999 camera IDs (Extendable up to 3999 in special mode).
- Built-in RS-485 receiver driver.
- On-site software upgrade and upload/download of programmed data into the KBD.
- Built-in power-line surge protection and lighting protection.
- 100% Pure Digital Transmission of video data
- Up to 700' HD Transmission Range (Depending on cable characteristics and integrity)

**TO COMPLETE YOUR VT-PTZ230HD SET UP WE ALSO OFFER:**

**VT-PTODKIT/IP**  
PTZ Outdoor Kit w/Heater/Blower, Sun Shield, and 24-12V Converter

**VT-KBD1**  
Can be paired with the Xpress Keyboard with 3-Axis 64 Step Variable-Speed Joystick.



**Detailed Specifications**

Image Sensor	1/2.8 2.38 MegaPixel Sony "Exmor" CMOS Sensor
Picture elements	2140K Pixels
Video Output	60fps 3G-SDI (SMPTE 424M) / 30fps HD-SDI (SMPTE 292M)
Video Standards	1920x1080i @ 60fps / 1920x1080p @ 30fps / 1280x720p @ 60fps
Shutter Speed	1/1 ~ 1/10,000
Lens	4.3mm to 129mm / F1.6 to F4.7
Optical Zoom	30X
Digital Zoom	12X
View Angle	Approx. 63.7° (Wide) to 2.3°(Tele)
Minimum Illumination	Color : 0.013 Lux (High Sensitivity & ICR ON)
S/N Ratio	50 dB (Weight ON)
Alarm Output	2 Normal relay 24 VDC/1A Max (Selectable NC/NO)
Alarm Input	8 Normal dry contact (selectable NC/NO)
Control	RS-485 baud rate: 2400~38400bps (default:9600bps)
Access Time	0.75 second maximum preset recall time
ID (Camera Address)	Physical 999, Logical 3999
Pan Angle	360° continuous rotation
Speed	0.1° to 105°/sec. (proportional) / 420°/sec. (w/Turbo) Preset Speed: 420°/sec
Repeatability	0.2°
WDR (Wide Dynamic)	YES
DeFog	YES
BLC (Back Light Compensation)	ON/OFF
DNR (Digital Noise Reduction)	XD-DNR (2D+3D DNR) Noise Reduction
Flip	Rotate 180° at bottom of tilt
Autoscan	16 auto scan include vector scan/1 Auto Pan
Preset Position	248 positions with camera status (16-character title)
Tour	8 tours
Pattern	8 patterns, 480 second
On-Screen Display	Displays camera ID and area name on screen
Input Voltage	6V to 12 VDC
Power Consumption	Maximum 21Watts
Operating temperature	0°C to 50°C
Operating humidity	0 to 90% RH (non-condensing)
Storage temperature	-4° ~ 131°F (-20° ~ 55°C)
Dimension (W x H)	4.96" x 7.13" w/o Additional Housings
Weight	3.97 lbs. (1.8 kg)

**NUMEROUS HOUSING AND MOUNT OPTIONS TO CHOOSE FROM:**



**VT-PTWMT**  
PTZ Wall Mount



**VT-PTIBMT**  
PTZ I-Beam Mount



**VT-PTHSG/IP**  
PTZ Housing w/  
Clear or Smoked  
Bubble



**VT-PTFMK**  
PTZ Flush Mount  
Kit w/Clear or  
Smoked Bubble



**VT-PTPPMT**  
PTZ Parapet  
Mount



**VT-PTPDMT**  
PTZ Pedestal /  
Ceiling Mount



**VT-PTCNMT**  
PTZ Corner  
Mount Adapter



**VT-PTPLMT**  
PTZ Pole Mount  
Adapter



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