

# 2M HD IP 20x Outdoor PTZ

## XV-SZ2201A-I



- 240x Zoom Control (Optical 20x, Digital 12x)
- Endless 360° Pan Rotation
- Speed (MAX.400°/sec) & Smooth Manual Speed (MIN. 0.1°/sec)
- Ultra Low Vibration due to S-curved acceleration & deceleration.
- Day & Night (ICR) with Alphanumeric Labels
- 256 Preset Positions
- 4 Patterns
- Power-up Action, Watch Timer
- Built-in 7 Sensor Inputs and 2 Relay Outputs
- IP66 environment protection with Surge Protection
- Vandal-Proof  
(Dome Cover: PC / Housing & Accessories: AL Die-cast)



### [PTZ Features]

#### Micro-Step Technology

Due to the Micro-stepping technology, one step angle is divided by 256. Accordingly, high accuracy as well as low sound noise can be achieved. Micro-stepping technology enables ultra-low speed down to 0.1°/s for high zoom operations.

#### Vector Driving

Based on the shortest time and the smallest cost concept, each Pan and Tilt motion is done with simultaneous and harmonious manner by Vector drive technology.

### [IP Features]

#### Real-time High Definition Speed Dome Camera

Using the state of art video compression engine, real time HD video streams of 1080p and 720p can be delivered for recording and monitoring.

#### Triple codec, Simultaneous Multi-Streaming

Triple H/W codec enables to transmit Max 3 independent streams with different settings for different requirements. Therefore, it is possible to combine seamless remote video monitoring using H.264 with simultaneous transmission of high quality H.264 to Network Video Recorder. Also, additional MJPEG can be delivered for Mobile devices such as Smart Phone or PDA.

#### Local SD Card Backup

Some important sequence of still images can be stored in the SDHC memory card. This action can be configured to work with pre-post alarm event or a given interval.

### [Unique Features]

#### Virtual Joystick on the Image

Virtual Joystick is inspired by real 3-Axis Joystick. You can decide PT direction by right clicking the image and change the zoom in out by scrolling mouse wheel. The PT speeds are proportional to how much you deviate mouse from the center. Using this function, control of PTZ is done in instinctive manner.

## Specification

Camera	
Image Sensor	1/2.8" Progressive Scan Exmor CMOS
Effective Pixels	Approx. 2.1 Mega pixels
Aspect Ratio	HD: 16:9 SD: 4:3
Zoom	20x Optical Zoom / 12x Digital Zoom
Focal Length	f = 4.7 ~ 94.0 mm, F1.6 ~ F3.5
Horizontal angle	51.3°(W) ~2.8 °(T)
MIN. Illumination	Color: 0.05Lux B/W: 0.02 lux
Day & Night	Auto / Day / Night (ICR)
Focus	Full Auto (Near Limit setting) / Semi Auto / Manual
DNR	3D-MCTF digital noise reduction
Shutter Speed	1/25 ~ 1/10000 sec (12 Step)
AGC	AUTO / MANUAL / MAX Gain Limit
White Balance	AWB/AGC/AE/AIC
WDR	AUTO / MANUAL /BLC
Other Functions	POWER UP ACTION, Defog, Home Position Setting, Parking Action
Pan / Tilt	
Range	Pan : 360° (Endless) Tilt : 0°~90° (Flip)
Pan/Tilt Speed	Preset : 400°/s Manual : 0.1°~300°/s (Zoom Proportional)
Preset	256 Presets with Labels
Pattern	4 Patterns
Group	8 Groups (MAX. 32 Entries for Each Group)
General	
Digital In/Out	Built-in 4 Inputs and 2 Relay Outputs
Serial Port	RS-485
Video Out	BNC: VBS 1.0 Vp-p
Power	AC 24V
Approvals	CE, FCC, IP66, RoHS
Housing	Vandal Proof Structure / Color: White
Material	Body: Aluminum Die-casting
Dimension	Net : Ø236 x 323 (H) mm x 264.6 (W) mm
Weight	Net: 3.95 Kg
Operating Temp.	-40°C ~ 60°C (-22°F ~ 122°F)
Humidity	10 ~90%(Non condensing)

## Network

Interface	10/100BASE-T
Video Compression	Triple Codec, H.264/MJPEG
Video Streaming	Multi Streaming CBR/VBR (Controllable frame rate and Bandwidth)
Resolution	All Codec:1080p,720p,D1,CIF MJPEG : CIF
Frame Rate	Max. 30/25 fps in 1080p/720p/D1/CIF/QCIF
Audio Compression	Two way, G.711(64Kbps) / MP2(16kHz 16bit 32kbps)
Local Storage	SDHC memory card (card not included)
Alarm	Pre-Post Alarm
Max No. of Clients	5
Protocols Supported	IPv4, ONVIF, TCP/IP, UDP/IP, RTP(UDP), RTSP, NTP, HTTP, DNS, DDNS, DHCP, FTP, SMTP
Protocols Supported	IPv4, TCP/IP, UDP, HTTP, DHCP, RTP/RTCP, FTP, UPnP, DDNS, NTP, IGMP, ICMP
Security	HTTPS(SSL), Digest Authentication(ID/PW)
OS Supported	Windows 7, 10

## Dimensions

