

ATVI 2140

4K UHD PTZ VIDEO CAMERA

60 FPS, AUTO-TRACKING, POE

For professional video quality and accurate speaker tracking. Lower bandwidth encoding for remote classes and web conferences.



TECHNICAL DATASHEET

| FEATURE | SPECIFICATIONS |
|--|--|
| 4K Ultra HD | 1/2.8 & 1/2.5 inch high quality 4K SONY CMOS sensor; 8.51 megapixel, resolution is up to 4K (3840x2160) and compatible with 1080P, 720P and other resolutions. 4K 60FPS |
| Built-in gravity sensor | Built-in gravity sensor supports PTZ auto-flip function, easy to install. |
| Multiple network protocol | Supports ONVIF, GB/T28181, RTSP, RTMP protocols; RTMP push mode, easy to be connected to streaming server (Wowza,FMS); RTP multicast mode; VISCA control protocol,NDI Support |
| Control Interface | RS422 (compatible with RS485); RS232 in & out; RS232 cascade connection,BNC |
| Optical Zoom Lens | 12X and 5X optical zoom lens, with 70° & 80° FOV without distortion. |
| Leading Auto Focus Technology | Advanced and leading algorithm enables the camera auto focus fast and accurately. |
| Multiple preset | Up to 255 presets (10 presets for remote control). |
| Multiple Video Outputs: | HDMI, USB3.0 and LAN support audio video output |
| IR & Wireless Remote Control | IR remote control (default) Wireless remote control (optional): 2.4G wireless remote control is not affected by the angle, distance or infrared interference. Far-end-control is also available. |
| Multiple USB Compression Encoding Format: | YUY2,MJPEG,H.264,NV1 video encoding formats |
| Multiple Audio Compression Standard | Audio-in supports AAC, MP3 and G.711A audio compression; 8000,16000,32000,44100,48000 sampling frequency |
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| FEATURE | SPECIFICATIONS |
|---------------------------|--|
| Model | AT2140V Auto Tracking |
| Camera Parameter | |
| Optical Zoom | 12X |
| Sensor | 1/2.8 Inch SONY CMOS Sensor |
| Effective Pixels | 8.51M; 16:9 |
| Aperture | F1.6 – F2.8±5% |
| Video Format | HDMI Video Output Format: 4KP60, 4KP50, 4KP30, 4KP25, 1080P60, 1080P50, 1080i 60, 1080i 50, 1080P30, 1080P25, 720P60, 720P50 USB3.0 Video Output Format: YUY2/NV12: 1920×1080P30, 1280×720P30, 1024×576P30, 960×540P30, 800×448P30, 640×360P30, 640×480P30, 320×176P30 MJPEG/H.264: 1920×1080P30, 1280×720P30, 1024×576P30, 960×540P30, |
| exposure mode | Auto/ Manual / Shutter Priority / Aperture Priority / Brightness priority |
| Digital Zoom | 18X |
| Tracking | Auto Tracking |
| Minimum Illumination | 0.05Lux (F1.8, AGC ON) |
| DNR | 2D & 3D DNR |
| White Balance | Auto / Manual/ One Push/ Specified Color Temperature |
| Focus/ Electronic Shutter | Auto / Manual/ One Push |
| Aperture | F1.8 – F11, CLOSE |
| BLC | ON/OFF |
| WDR | OFF/ Dynamic level adjustment |
| Video Adjustment | Brightness, Color, Saturation, Contrast, Sharpness, B/W mode, Gamma curve |
| SNR | >55Db |
| shutter speed | 1/30 – 1/10000 |
| Video Adjustment | Brightness, Color, Saturation, Contrast, Sharpness, B/W mode, Gamma curve |



TECHNICAL DATASHEET

| FEATURE | SPECIFICATIONS |
|-------------------------------------|--|
| Input & output Interface | |
| Video Interfaces | HDMI, LAN(POE), USB3.0 (Type B, compatible with USB2.0) , A-IN, RS232-in & out; RS422 (Compatible with RS485) , Dial switch, DC12V, Power Switch |
| Video Compression format | LAN: H.264, H.265 USB 3.0: MJPG, H264, YUY2, NV12 |
| Audio Input Interface | Double track 3.5mm linear Input |
| Audio Compression format | AAC, MP3, G.711A |
| LAN Port | 10M/100M/1000M adaptive Ethernet port, support POE and audio/video output |
| Network Protocol | RTSP, RTMP, ONVIF, GB/T28181, VISCA Control Protocols, Remote Upgrade, reboot and reset |
| Control Interface | RS232-IN, RS232-OUT, RS422 (RS485) |
| Serial Protocol | VISCA/ Pelco-D / Pelco-P; Baud rare: 115200/38400/9600/4800/2400 |
| USB Communication Protocol | UVC (video) , UAC (audio) |
| Power Interface | HEC3800 (DC12V) |
| Power Adapter | In: AC110V-AC220V ; Out: DC12V/2.5A |
| Input Voltage | DC12V±10% |
| Input Current | <1A |
| Power Consumption | <12W |
| PTZ and other parameter | |
| Pan Rotation | -170°~+170° |
| Tilt Rotation | -30°~+90° |
| Pan Control Speed | 0.1°/s~120°/s |
| Tilt Control Speed | 0.1°/s~80°/s |
| Preset Speed | Pan: 120°/s, Tilt: 80°/s |
| Preset Number | 255 Presets (10 presets by remote control) |

