

# **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.

4K (3840 x 2160)  
resolution at 60 fps  
frame rate

Power over Ethernet  
(PoE) or Adapter

1.28 inch Sony CMOS  
sensor

IR & wireless remote  
(optional)

Distortion free optical  
zoom, 12X(70° FOV),  
5X(80° FOV)

Interfaces:  
LAN, 1 x USB3.0, HDMI,  
2 X RS 232,  
1 X RS 422/485, SDI

Intelligent fast & accurate  
auto-focus with  
advanced image  
processing

Fluent & clear video  
under low bandwidth  
with H.264/H.265 encoding



## 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
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.

# TECHNICAL DATASHEET

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
<b>Input &amp; output Interface</b>	
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
<b>Control Interface</b>	RS232-IN, RS232-OUT, RS422 (RS485)
<b>Serial Protocol</b>	VISCA/ Pelco-D / Pelco-P; Baud rate: 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
<b>PTZ and other parameter</b>	
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)