

Ultra HD 4K PTZ Camera-UV401A

Ultra HD, Wide View Angle, Multi-protocols

UV401 **Ultra HD 4K PTZ Camera-UV401A** offers perfect functions, superior performance and rich interfaces. **It is featured with brushless motor and advanced ISP processing algorithm to provide high quality image and smooth motion. It supports H.264/H.265 encoding which makes motion video more fluent and clear under low bandwidth conditions.**



Key Features:

- **Pan/tilt Feature**
Brushless DC motor

Almost no noise under high speed rotation;

Camera can return to original position quickly if it's forced to move.
- **4K Ultra HD**
1/2.5 inch high quality 4K SONY CMOS sensor;
8.51 megapixel, resolution is up to 4K (3840x2160) with frame rate up to 60fps.
- **Optical Zoom Lens**
12X optical zoom lens, with 80.4° FOV without distortion.
- **Trinity image auto-focusing technology**

Focus on intelligent image processing, to provide automatic white balance (AWB), automatic exposure (AE), automatic focusing (AF) function, fully automatically adapt to the environment, to achieve the best image effect, perfect trinity image automatic adjustment.
- **Low Noise and High SNR**
Low noise CMOS ensures super high SNR image. The advanced 2D/3D noise reduction technology reduces the noise while ensuring high image clarity.
- **Multiple Audio/Video Compression Standard**
LAN supports H.264/H.265 video compression; USB3.0 supports MJPG, H264, YUY2, NV12; A-IN supports AAC, MP3 and G.711A audio compression;
- **Audio Input Interface**

Supports 8000, 16000,32000,44100,48000 sampling frequency, and AAC, MP3 and G.711A audio compression.

- **Built-in gravity sensor**
Built-in gravity sensor supports PTZ auto-flip function and 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
- **Control Interface**
RS422 (compatible with RS485); RS232 in & out; RS232 cascade connection
- **Multiple Control Protocol**
Support VISCA, PELCO-D, PELCO-P protocols;
Support automatic identification protocols.

- **Multiple preset**
Up to 255 presets (10 presets for remote control).
- **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 Applications**
Online-education, Lecture Capture, Broadcasting, Video conferencing, Tele-medicine, Unified Communication, Emergency command and control systems, etc.

Model NO.:

UV401A: 80.4° FOV (12X Optical Zoom)

Technical Specifications:

Model	UV401A
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Optical Zoom	12X
Focus	f=3.85 mm ~ 43.06 mm ±5%
FOV	Horizontal : 7.59° (tele) ~ 80.4° (wide) vertical : 4.6° (tele) ~ 50.0° (wide)
Aperture	F1.8 ~ F3.56±5%
Image Sensor	1/2.5 Inch SONY CMOS Sensor
Effective pixels	8.51M; 16 : 9
Video Format	<p>HDMI Video Output Format:</p> <p>4KP60, 4KP50, 4KP30, 4KP25, 1080P60, 1080P50, 1080i 60, 1080i 50, 1080P30, 1080P25, 720P60, 720P50</p> <p>USB3.0 Video Output Format:</p> <p>YUY2/NV12: 1920×1080P30, 1280×720P30,1024×576P30, 960×540P30, 800×448P30, 640×360P30, 640×480P30, 320×176P30</p> <p>MJPEG/H.264: 3840×2160P30,1920×1080P30,1280×720P30,1024×576P30, 960×540P30, 800×448P30, 640×360P30, 640×480P30, 320×176P30</p> <p>USB3.0 compatible with USB2.0:</p> <p>YUY2/NV12: 640×360P30, 640×480P30, 320×176P30</p> <p>MJPEG/H.264: 3840×2160P30, 1920×1080P30, 1280×720P30, 1024×576P30, 960×540P30, 800×448P30, 640×360P30, 640×480P30, 320×176P30</p>
Minimum Illumination	0.05Lux (F1.8, AGC ON)
DNR	2D & 3D DNR
White Balance	Auto / Manual/ One Push/ Specified Color Temperature
Focus	Auto / Manual/ One Push
exposure mode	Auto/ Manual / Shutter Priority / Aperture Priority / Brightness priority

Aperture	F1.8 ~ F11, CLOSE
shutter speed	1/25 ~ 1/10000
BLC	OFF/ON
Dynamic range	OFF/ Dynamic Level Adjustment
Video Adjustment	Brightness, Color, Saturation, Contrast, Sharpness, B/W mode, Gamma curve
SNR	≥50dB

Input/Output Interface	
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 out	HDMI, LAN, USB3.0
Audio Compression	AAC, MP3, G.711A
Network Interface	10M/100M/1000M adaptive Ethernet port, support POE and audio/video output
Network Protocol	RTSP, RTMP, ONVIF, GB/T28181, Network VISCA Control Protocols, Support Remote Upgrade, reboot and reset
Control Interface	RS232-IN, RS232-OUT, RS422 (Compatible with RS485)
Serial Communication Protocol	VISCA/ Pelco-D / Pelco-P; Baud rate: 115200/38400/9600/4800/2400
USB Communication Protocol	UVC (video) , UAC (audio)
Power	HEC3800 outlet (DC12V)

Power Adapter	Input: AC110V-AC220V ; Output: DC12V/2.5A
Input Voltage	DC12V±10%
Input Current	<1A
Power Consumption	<12W

PTZ 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)

Other Parameter	
Stored Temperature	-10℃ ~ +60℃
Stored Humidity	20% ~ 95%
Working Temperature	-10℃ ~ +50℃
Working Humidity	20% ~ 80%
Dimension	157.5 (L) mm×189mm (W) ×201mm (H)
Weight(around)	2.60kg
Application	Indoor



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Accessory	
Package	Power supply,RS232 control cable,USB3.0 connection cable, Remote controller, User Manual
Optional Accessories	Ceiling / Wall Mount (Extra Cost)

Back Panel Interface:



Dimension: (unit: mm)

