

#### **Lecturer Auto Tracking ePTZ Camera UV220T**

UV220T camera is a 4K ultra-high-definition EPTZ automatic tracking camera, built-in leading image recognition and tracking algorithm, without any auxiliary positioning camera or tracking host can also achieve a smooth and natural teacher tracking effect, fully meet the needs of various application scenarios such as teaching recording and remote interactive teaching. UV220T camera has perfect functions and superior performance, which employs advanced ISP processing algorithms so as to provide vivid images with evenly clear brightness, strong color layering, high resolution, and fantastic color rendition. Easy and convenient to install and maintain, stable and reliable.



### **Key Features**

- Intelligent lecturer tracking: Built-in leading image recognition and tracking algorithm, without any auxiliary positioning camera or tracking host, it can also track the target stably, accurately and quickly.
- Strong anti-interference ability: Once the tracking target is locked, it will be free of disturbances of other moving objects or projectors etc.
- **Smooth tracking:** The sensitivity of action can be adjusted and it will not be affected by target's unobvious movement or gestures.
- **Strong environmental adaptability:** The tracking performance is not affected by classroom's size, shape or seats layout.
- **Ultra wide dynamic exposure function**: The tracking target would not be darken in front of strong light background with projectors etc.
- **Multiple tracking modes:** Support multiple tracking modes, including tracking mode, movie mode and area tracking mode
- **Ultra HD:** 1/2.8-inch high-quality 4K CMOS sensor is used to present vivid ultra high-definition video, vividly showing the target's facial expressions and actions.
- Wide view angle and distortion-free lens: Using ultra wide-angle, distortion-free camera; supports 3X digital zoom and EPTZ control at the same time;
- Low Noise and High SNR: Low Noise CMOS effectively ensure high SNR of camera video.

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Advanced 2D/3D noise reduction technology is used to further reduce the noise, while ensuring image sharpness.

- Multiple video compression: H.265, H.264, MJPEG;
- Multiple video outputs: Support SDI, USB3.0 and LAN (Gigabit);
- Multiple streams: Support five streams, simultaneously output close-up main stream, close-up sub-stream, panoramic stream, panoramic sub-stream and blackboard writing stream;
- **POE support:** A single network cable can support power, control, and video output simultaneously, thus simplifying wiring installation.
- Multiple installation: Wall mount and in-ceiling mount for options.
- **Networking control interface:** Controlling via Network can meet different deployment of various scenarios.
- Wide application: Lecturer capture, remote interactive teaching etc.

### **Technical Specifications**

Parameters	UV220T				
Camera Parameter					
Sensor	1/2.8 inch high-quality 4K CMOS sensor				
Effective Pixels	8.28 million, 16:9				
	SDI interface: 1080P@30fps/25fps; 720P@60fps/50fps/30fps/ 25fps;				
Video Signals	U3 interface: 1920X1080P30fps /25 fps; 1280X720P60 fps /50 fps /30 fps /25 fps; 960X540P30				
	fps; 640X360P30 fps; 640X480P30 fps; 352X288P30 fps; 960X540P30 fps; 800X600P30 fps;				
	compatible with USB2.0 output				
View Angle	57.2° (D) /47° (H)/36° (V)				
Focal Length	f=7.23mm				
Iris	F2.4+5%				
Digital Zoom	3X				
Minimum Illumination	0.5Lux (F1.8, AGC ON)				
DNR	2D & 3D DNR				
White Balance	Auto/Manual/ One Push/Specified color temperature (2400K-7100K, step size is 100)				
Focus	Manual				
Exposure	Fixed				
Backlight	On/Off				
Contrast					
SNR	>50dB				
Input/Output Interface					
Video Output Interface	1 × SDI				
	1 × USB				
	1 × LAN: 10M/100M/1000M adaptive Ethernet port ( POE Support)				
Video Compression	H.264, H.265, MJPEG				
Audio Input Interface	Dual audio channel 3.5mm linear input				

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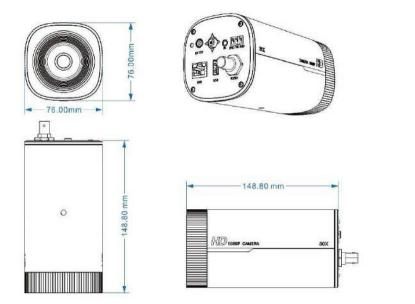


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Audio Compression	AAC, MP3, G.711A		
Network Protocol	RTSP, RTMP, ONVIF, GB/T28181		
Control Interface	RS232, RS485, LAN		
Control Protocol	VISCA, Pelco-D, Pelco-P; support baud rate 115200 /38400/9600/4800/2400; support network		
	VISCA control protocol		
Power Interface	HEC3800 power socket (DC12V)		

Other Parameter				
Working Voltage	Power Adapter	12V		
	POE Power Supply	48V		
Working Current	Power Adapter	0.42A(max)		
	POE Power Supply	0.104A(max)		
Power Consumption	5W(max)			
Storage Temperature	-10°C -+60°C			
Storage Humidity	20% - 95%			
Working Temperature	-10°C -+50°C			
Working Humidity	20%~80%			
Dimension (W*H*D)	148.8mm×76mm× 76mm			
Weight	0.53kg			
Application	Indoor			
Accessory	User manual			

# **Dimension (unit: mm)**



Address: 5&6