UV220T/S-SG

Educational tracking camera system is mainly composed of the teacher tracking camera and student tracking camera. The video camera integrates with industry leading 4K ultra-definition imaging technology, image encoding and decoding technology, video analysis technology and electronic PTZ control technology, and realizes a single camera to output close-ups mainstream, close-up sub-stream, panoramic main stream, panoramic sub-stream and blackboard stream at the same time. Built-in high-speed processor and advanced image processing and analysis algorithm, the camera can track and detect accurately and quickly, and fully meet the requirements of various scenes of teaching recording and remote interactive teaching.

Main 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 avoids the problem of darkening of tracking targets under strong light backgrounds such as projectors

- Multiple tracking modes: support real-time tracking, movie, area tracking multiple tracking mode switching.

- Ultra HD: 1/2.8-inch-high quality 4K CMOS sensor; support 1080P@30fps/25fps image output.

- 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 guarantees the ultra-high signal-to-noise ratio of the camera video, even in the case of ultra-low illumination, still keeping the picture clean and clear.

- Multiple video compression: USB supports H264, MJPG, YUY2, NV12 video compression formats, and the network supports H.264, H.265 video compression formats.

- Multiple video outputs: Support HDMI, USB3.0 and LAN (Gigabit);

- Multiple streams: Support five streams, simultaneously output close-up mainstream, 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.

Model Number	Teacher Tracking Camera	Student Tracking Camera
Camera/ Lens Parameters		
Image Sensor	1/2.8 inch High Quality 4K CMOS Sensor	
Effective pixels	8.28 megapixel, 16: 9	
Video Format	HDMI Interface：1080P30、1080P29.97、1080P25、720P29.97； U3 Interface:MJPG/H264：1920*1080/1600*896 /1280*720 /1024*576 /960*540 /800*600 /800*448 /720*576/720*480 /640*480 /640*360 /480*270 /352*288 /320*240@30/25/20/15/10/5fps； YUY2/NV12：1920*1080 /1280*720 /1024*576 /800*600 /800*448 /640*480 /640*360 /480*270 /320*180@30/25/20/15/10/5fp； USB3.can be compatible with USB2.0 output	
View Angle	51.6°（D）/45.5°（H）/26.5°（V）	95°（D）/83°(H)/46°(V)
Focus	f=6.8mm	f=3.24mm
Aperture	F2.5	F2.10
Digital Zoom	3X	
Minimum Illumination	0.1Lux(F1.8, AGC ON)	
DNR	2D & 3D DNR	
White Balance	Auto / Manual/ One Push/ Specified color temperature（2400K-7100K, step length is 100）	
Focus	Fixed	
Exposure	Auto/Manual/Shutter priority/Brightness priority	
BLC	ON/ OFF	
DNR	>50dB	
Input/Output Interface		
Video Interfaces	1xHDMI interface 1xUSB interface 1xLAN interface:10M/100M/1000M adaptive Ethernet port（support POE）	
Video Compression Format	H.264,H.265,MJPEG,YUY2,NV12	
Audio Input Interface	Double track 3.5mm linear Input	
Audio Compression Format	AAC,MP3,G.711A	
Network protocol	RTSP,RTMP,ONVIF,GB/T28181	
Control Interface	RS232,RS485,LAN	
Communication Protocol	VISCA, Pelco-D, Pelco-P, support baud rate 115200/38400/9600/4800/2400; Support VISCA Control Protocols	
Power Interface	DC12V	
Other Parameter		
Input Voltage	Power Adapter	12V
	POE Supply	48V
Input Current	Power Adapter	0.42A(max)
	POE Supply	0.104A(max)
Power Consumption	5W(max)	
Stored Temperature	-10℃～+60℃	
Stored Humidity	20%～95%	
Working Temperature	-10℃～+50℃	
Working Humidity	20%～80%	
Dimension（WXHXD）	149.2mm×78mm×78mm	
Weight	Around 0.53kg	
Application	Indoor	
Accessory	Power adapter, USB3.0 cable, User Manual, Warranty card, Packing list	