



ARV-VC 220T

Lecturer Auto Tracking ePTZ Camera - VC 220T

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 main stream, 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.

Intelligent director

Built-in intelligent director switching strategy;

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;
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 ensure
high SNR of camera video. Advanced
2D/3D noise reduction technology is
also used to further reduce the
noise, while ensuring image
sharpness.



**LOW
NOISE**

**HIGH
SNR**

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

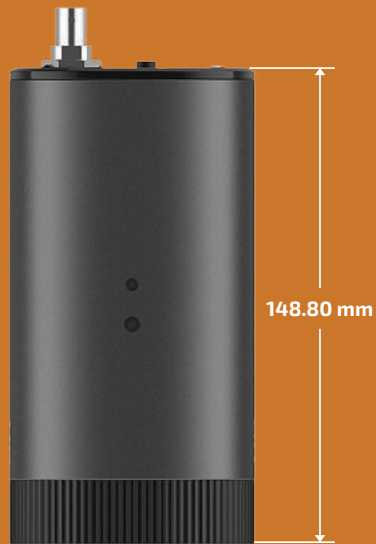
Lecturer capture, remote interactive teaching etc.



Specification

Parameters	ARV220T	
Camera Parameter		
Sensor	1/2.8 inch high-quality 4K CMOS sensor	
Effective Pixels	8.28 million, 16:9	
Video Signals	SDI interface: 1080P@30fps/25fps; 720P@60fps/50fps/30fps/ 25fps; 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	
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℃ - +60℃	
Storage Humidity	20% - 95%	
Working Temperature	-10℃ - +50℃	
Working Humidity	20%~80%	
Dimension (WxHxW)	148.8mm×76mm× 76mm	
Weight	0.53kg	
Application	Indoor	
Accessory	User manual	

Dimension (unit: mm)



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