CM-U220PA

AI Auto-Tracking Camera

Distance learning / Video conference
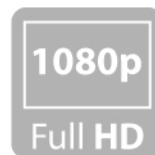Lecture capture classroom/Live streaming

Automatic subject tracking with smart switching

Full HD 1080p 60fps with 20x optical zoom

HDMI, 3G-SDI, IP, and USB video outputs

Supports Power over Ethernet (PoE+)

HTTP / RTSP / RTMP

1080p Full **HD**

20x optical zoom

IP

USB2.0

HDMI

3G-SDI

JECTOR

an AUO company

CM-U220PA Full HD Auto-Tracking Camera

Specification

Model	CM-U220PA
Image Sensor	1/2.8" CMOS, 2.14 megapixel
Focal Lens	f=4.7~94.0mm
Optical Zoom	20x
Digital Zoom	12x
Iris	F1.6~F3.5
Viewing Angle	Horizontal 59.5° - 2.9°
Focus System	Auto, Manual, PTZ Trigger, One Push Trigger
Shutter Speed	1/25s to 1/10, 000s
Gain	Auto, Manual
White Balance	Auto, Indoor, Outdoor, One Push, Manual, Auto Tracking, Sodium lamp, Fluorescent lamp
Exposure Control	Auto, Manual, Shutter Priority, Iris Priority, Luminance priority
S/N	≥50dB
Menu	English, Chinese
Pan Angle	-170°~+170°
Tilt Angle	-30°~+90°
Pan Speed	0.2°/S~100°/S
Tilt Speed	0.2°/S~60°/S
Preset Number	64
Video Format	1080P60, 1080P50, 1080P30, 1080P25, 1080I60, 1080I50, 720P60, 720P50
Resolution	Max 1920*1080P60
Audio Compression	AAC
Protocols	ONVIF, RTSP, RTMP, HTTP, TCP, UDP
Dual Stream	Support
USB Interface	USB2.0
UVC	Support
Image Size	1920x1080, 1280x720, 640x360
Video Interface	HDMI 1.3 / 3G-SDI
Network Interface	RJ45 (100M) interface, Reserved power over Ethernet
Control Interface	RS-485 / RS-232
Protocols	VISCA, PELCO-D, PELCO-P
Address	1~7
Power	DC12V
Power Consumption	<15W
Operating Temperature	0℃~+40℃
Storage Temperature	-20℃~+60℃
Operating Humidity	10% RH~ 90% RH
Dimensions	W176mm×H169mm×D136mm
Weight	<1.1KG
Body color	grey

Intelligent Tracking

The user can select settings such as super tracking or partition tracking to establish accurate tracking areas and exclusion zones. This ensures that the presenter is the center of attention at all times. The operator can also add presets to zoom in when the speaker is at the lectern, for example, or zoom out to film a panel discussion. It's very easy to set up and requires no user input once the session has started.

Applications

Conference Production：Suitable for use in the main auditorium or breakout rooms, offering automated event production of keynote addresses and discussion panels.

Telemedicine：Being able to move around a lab, a demonstrator can present to remote audiences without being restricted to a static VC position.

E-learning：Teachers can engage more effectively with remote students by moving naturally around a classroom or lecture hall.