

UV510E



This series camera offers perfect functions, superior performance and rich interfaces. The features include advanced ISP processing algorithms to provide vivid images with a strong sense of depth, high resolution and fantastic color rendition. It supports H.265/H.264 encoding which makes motion video smooth even with less than ideal bandwidth conditions.

●**Superb High-definition Image:** It employs 1/2.8 inch high quality CMOS sensor. Resolution is up to 1920x1080 with frame rate at 60 fps.

●**Optical Zoom Lens:** It has 12X/20X optical zoom lens for options.

●**Leading Auto-focus Technology:** Boasting leading auto-focus algorithm, this camera can achieve auto focus with speed, accuracy, and stability.

●**Low Noise and High SNR:** Low Noise CMOS effectively ensure high SNR of video. Advanced 2D/3D noise reduction technology is used to further reduce the noise while ensuring image resolution

●**Multi-Format Video Outputs:** It support HDMI, USB2.0, USB3.0, LAN (POE).

●**Multiple Audio Compression Format:** It supports H.265/H.264 in video compression and AAC, MP3, G.711A in audio compression. The resolution can reach up to 1920*1080 at 60 fps.

●**Audio Input:** It supports for AAC, MP3, G.711A audio encoding. AAC, MP3 encoding supports 16000, 32000, 44100, 48000 sampling frequency, and G.711A encoding only support 8000 sampling frequency.

●**Multiple Network Protocols:** It supports for ONVIF, GB/T28181, RTSP, RTMP protocols, RTMP push mode, easy to link with streaming media server(Wowza, FMS)

●**Multiple Control Jack:** RS485, RS232; RS232, supporting for cascading, convenient to set up.

●**Support Multiple Control Protocol:** Support VISCA, PELCO-D, PELCO-P protocols, which can also be automatically recognized.

- Low-power Sleep Mode:** Power consumption is less than 400mW in sleep mode.
- Multiple Presets:** User can set 255 presets (remote control can call out 10)
- Multiple Remote Controls:** There are IR remoter and 2.4G wireless remote for options. The 2.4G wireless remote controller will not be affected by angle, distance or IR interference.
- Wide Application:** Tele-education, Lecture capture, Webcasting, Videoconferencing, Tele-training, Tele-medicine, Interrogation and Emergency command systems.

Technical Specification

Model	12X (E0/E3)	20X (E2)	12X (E6)	20X (E4/E7)	30X (E5)
Parameters					
Image Sensor	1/2.8 inch high quality HD CMOS sensor				
Effective Pixel	2.07M, 16: 9				
Video Format	HDMI/SDI Video Output 1080P60/50/30/25/59.94/29.97; 1080I60/50/59.94; 720P60/50/59.94/ U2 Video Output 320x240/352x288/640x360/640x480/704x576/704x480/720x576/800x448/800x600/960x540/1024x576/1024x768/1280x720/1920x1080P30/25/20/15/10/5				
Optical Lens	12X f=3.9 ~ 46.8mm	20X f = 5.5 ~ 110mm	12X f=4.1 ~ 49.2mm	20X f = 5.05 ~ 101mm	30X f = 5.2 ~ 148.4mm
Viewing Angle	6.6° (N) 70.4° (W)	3.3° (N) 54.7° (W)	6.57° (N) 70.28° (W)	3.45° (N) 60.04° (W)	2.14° (N) 58.1° (W)
Iris	F1.8–F2.4	F1.6–F3.5	F1.8– F2.68	F1.8–F2.9	F1.3–F4.8
Digital Zoom	10 X				
Minimum Illumination	0.5Lux(F1.8, AGC ON)				
DNR	2D & 3D				
White Balance	Auto/Manual/One-push/3000K/3500K/4000K/4500K/5000K/5500K/6000K/6500K/70000K				
Focus	Auto/Manual/One-push				
Iris	Auto/Manual				
Electronic Shutter	Auto/Manual				
BLC(Backlight Compensation)	On/Off				

Dynamic Range	Off/ Dynamic level adjustment
Video Adjustment	Brightness, Contrast, Sharpness, Horizontal Flip, Vertical Flip, Black and White Mode, Gamma Curve, Electronic Zoom, DCI, Ultra Low Light Mode
SNR	>55dB

Interface	
Interface	SDI, HDMI, LAN(POE), RS232 (loop in/out) , RS485, A-IN, U2
Video output	HDMI, SDI, LAN, USB2.0
Image Streaming	Dual streaming output
Video compression formats	H.265, H.264 USB 2.0: MJPG、H264、H.265、YUY2、NV12
Audio In Jacket	A-IN: Dual audio channel 3.5mm linear input
Audio compression format	AAC, MP3, G.711A
Network Jacket	100M (10/100BASE-TX)
Network Protocols	RTSP, RTMP, ONVIF, GB/T28181; Support network VISCA control protocols, NDI HX optional (supported by some models, consult the dealer for specific support models), remote upgrade, remote restart, and remote reset.
Control Jackets	RS232 (loop in/out) , RS485
Control Protocols	Protocols : VISCA/Pelco-D/Pelco-P ; Baud Rate : 115200/38400/9600/4800/2400
Power Jacket	HEC3800 power socket(DC12V)
Power Adapter	Input: AC110V-AC220V Output: DC12V/1.5A
Input Voltage	DC12V±10%
Input Currency	1A (Max)
Power Consumption	12W(Max)

PTZ	
Pan	-170°~+170°
Tilt	-30°~+90°
Pan Speed	0.1 ~60°/s
Tilt Speed	0.1~30°/s
Preset Speed	Pan: 60°/s, Tilt: 30°/s
Preset Quantity	User can set 255 presets (10 via IR remote control)

Others	
Storage Temperature	-10°C~+60°C
Storage Humidity	20%~95%
Working Temperature	-10°C~+50°C
Working Humidity	20%~80%

Dimension	150mmX150mmX167.5mm
Weight	1.4kg
Environment	Indoors

Product Introduction

