

# UV510E0&E2&E6&E7



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, 3G-SDI, USB, LAN (POE). If 3G-SDI, it supports for 100m transmission at 1080p60 format.
- **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, NDI | HX protocols, RTMP push mode, easy to link with streaming media server(Wowza, FMS)
- **NDI | HX:** This camera supports NDI | HX protocol.
- **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.

## 2.3 Technical Specification

Model	12X(E0)	20X(E2)	12X(E6)	20X(E7)
<b>Parameters</b>				
Image Sensor	1/2.8 inch high quality HD CMOS sensor			
Effective Pixel	2.07M, 16: 9			
Video Format	HDMI/3G-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 ~ 91.49mm
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 )
Iris	F1.8 – F2.4	F1.6 – F3.5	F1.8 – F2.68	F1.8 – F2.9
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

<b>Interface</b>	
Interface	3G-SDI, HDMI, LAN(POE), RS232 (loop in/out) , RS485, A-IN, U2
Video output	HDMI, 3G-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, NDI HX; Support network VISCA control protocols, 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 Current	1A (Max)
Power Consumption	12W(Max)

<b>PTZ</b>	
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)

<b>Others</b>	
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

<b>Accessory</b>	
Supplied Accessories	12V/1.5A power supply, RS232 cable, IR remote control, User Manual
Optional Accessories	Mounting Brackets

Dimension

