

## Full HD, Wide View Angle, Multi-protocols, Multiple Video Interfaces

The 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.264/H.265 encoding which makes motion video fluent and clear even under less than ideal bandwidth conditions.



### Key Features

- **Superb High-definition Image**  
employs 1/2.8 inch high quality CMOS sensor. Resolution is up to 1920x1080.
- **Leading Auto Focus Technology**  
Leading auto focus algorithm makes lens a fast, accurate and stable auto-focusing.
- **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.
- **Audio Input Interface**  
Support 16000,32000,44100,48000 sampling frequency and AAC,MP3,PCM audio coding.
- **Wide-range, Quiet and Quick Pan/Tilt Mechanism**  
By adopting step driving motor mechanism, UV510A camera works extremely quiet and moves smoothly .
- **Multiple Audio/Video Compression**  
Support H.264/H.265 video compression;AAC, MP3 and PCM audio compression; Support compression of 2 channel 1920x1080p with 30fps compression.
- **Multiple Network Protocol**  
Support NDI® ONVIF, RTSP, RTMP protocols and support RTMP push mode,easy to link streaming media server (Wowza, FMS)
- **RS-232 Cascade Function**  
Support RS-232 cascade function which is convenient for installation.
- **Wide Application**  
Tele-education, Lecture Capture, Webcasting, Videoconferencing, Tele-training, Tele-medicine, Interrogation and Emergency command systems.
- **Low-power Sleep Function**  
Support low-power sleep/wake up, the consumption is lower than 400mW under sleep mode.

## Technical Specification

Model	20X	30X	
<b>Camera Parameter</b>			
Optical Zoom	20X,f=5.5~110mm	30X,f=4.3~129mm	
Sensor	1/2.8 inch high quality HD CMOS sensor		
Effective Pixels	16: 9, 2.07 megapixel		
Video format	1080P60/50/30/25/59.94/29.97;1080i60/50/59.94;720P60/50/30/25/59.94/29.97		
View Angle	6.3°(tele)--72.5°(wide)	3.3°(tele)--54.7°(wide)	
AV	F1.6 – F3.5	F1.6 – F4.7	
Digital Zoom	10X		
Minimum Illumination	0.5Lux (F1.8, AGC ON)		
DNR	2D & 3D DNR		
White Balance	Auto / Manual/ One Push/ 3000K/ 4000K/5000K/6500K		
Focus	Auto/Manual		
Aperture	Auto/Manual		
Electronic Shutter	Auto/Manual		
BLC	ON/OFF		
WDR	OFF/ Dynamic level adjustment		
Video Adjustment	Brightness,Color,Saturation,Contrast,Sharpness,B/W mode,Gamma curve		
SNR	>55dB		
<b>Input/Output Interface</b>			
Video Interfaces	NDI Model: SDI, HDMI, LAN(NDI),RS232(In & Out), RS485, A-IN		
Image Code Stream	Dual stream output		
Video Compression Format	H.264, H.265		
Control Signal Interface	RS-232 Ring through RS232 output,RS485		
Control Protocol	VISCA/Pelco-D/Pelco-P;Baud Rate:115200/9600/4800/2400bps		
Audio Input Interface	Double track 3.5mm linear input;		
Audio Compression Format	AAC/MP3/PCM Audio compression		
HD IP Interface	100M IP port(100BASE-TX); Support VISCA protocol control through IP port.		
Network Protocol	RTSP,RTMP,ONVIF,GB/T28181		
Power Interface	HEC3800 outlet (DC12V)		
<b>PTZ Parameter</b>			
Pan Rotation	±170°	Pan Control Speed	0.1 -60°/sec
Tilt Rotation	-30°~+90°	Tilt Control Speed	0.1-30°/sec
Preset Speed	Pan: 60°/sec, Tilt: 30°/sec		
Preset Number	255 presets (10 presets by remote controller)		
<b>Other Parameter</b>			
Supply Adapter	AC110V-AC220V to DC12V/1.5A		
Input Voltage	DC12V±10%		
Input Current	1A (Max)		
Consumption	12W (Max)		
Working Temperature	-10℃~+50℃		
Dimension	150mmX150mmX173.5mm		
Weight	1.4KG		
Remote Operation (IP)	Remote Upgrade, Reboot and Reset		
Accessory	power supply,RS232 cable, remoter, manual, warranty card,brackets(optional)		

## Dimension

