

UV510A series NDI HD Video Conference Camera

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

The UV510A 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.264/H.264+ encoding, making motion video fluent and clear even under less than ideal bandwidth conditions.



Key Features

- Superb High-definition Image UV510A employs 1/2.8 inch high quality CMOS sensor. Resolution is up to 1920x1080 with frame rate up to 60fps.
- 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.

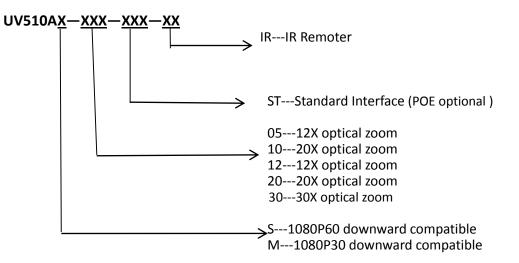
- Audio Input Interface (for future development) Support16000, 32000, 44100, 48000 sampling frequency and AAC, MP3, PCM audio coding.
- Wide-range, Quiet and Quick Pan/Tilt Mechanism By adopting step driving motor mechanism, UV510A camera works extremely quiet and moves smoothly.
- Multiple Audio/Video Compression

Support H.264/H.264+ video compression; AAC, MP3 and PCM audio compression; Support compression of resolution up to 1920x1080 with frame up to 60fps and 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.



Order No.



Technical Specification

Model	UV510A-05	UV510A-10	UV510A-12	UV510A-20	UV510A-30	
Camera Parameter						
Optical Zoom	5X	10X	12X	20X	30X	
	f=3.6~15.5mm	f=4.7~47mm	f=3.9~46.8mm	f=5.2~110mm	f=4.3~129mm	
Sensor	1/2.8 inch high quality HD CMOS sensor					
Effective Pixels	16: 9, 2.07 megapixel					
Video Format	SDI video format					
	1080P60/50/30/25/59.94/29.97; 1080I60/50/59.94; 720P60/50/30/25/59.94/29.97					
View Angle	20°(tele)	6.43°(tele)	6.3°(tele)	3.3°(tele)	2.34°(tele)	
	83.7°(wide)	60.9°(wide)	72.5°(wide)	54.7°(wide)	65.1°(wide)	
AV	F1.6 – F3.0	F1.6 – F3.0	F1.8 – F2.4	F1.6 – F3.5	F1.6- F4.7	
Digital Zoom	10X					
Minimum	0.1Lux					
Illumination						
DNR	2D & 3D DNR					
White Balance	Auto / Manual/ One Push/ 3000K/ 4000K/5000K/6500K					
Focus/Aperture/Ele	Auto/Manual					
ctronic Shutter						
BLC	ON/OFF					
WDR	OFF/ Dynamic level adjustment					
Video Adjustment	Brightness, Color, Saturation, Contrast, Sharpness, B/W mode, Gamma curve					
SNR	>55dB					
Input/Output Interfa	ce					
Video Interfaces	UV510A-NDI model: SDI, HDMI, LAN(NDI),RS232(In & Out), RS485, A-IN					
Video Compression	H.264, H.264+, Dual stream output					



Format				
Control Protocol	VISCA/Pelco-D/Pelco-P; Baud Rate:115200/9600/4800/2400bps			
Audio Input	Double track 3.5mm linear input			
Interface				
Audio Compression	AAC/MP3/PCM Audio compression			
Format				
HD IP Interface	100M IP Port(100BASE-TX); Support VISCA protocol control through IP port.			
Network Protocol	RTSP, RTMP, ONVIF, GB/T28181, NDI			
Power Interface	HEC3800 Outlet (DC12V)			
PTZ Parameter				
Pan/TiltRotation	±170°,-30°~+90°			
Pan Control Speed	0.1 -60°/sec			
Tilt Control Speed	0.1-30°/sec			
Preset Speed	Pan: 60°/sec, Tilt: 30°/sec			
Preset Number	255 presets (10 presets by remote controller)			
Other Parameter				
Supply Adapter	AC110V-AC220V to DC12V/1.5A			
Dimension	150mmX150mmX167.5mm			
Weight	1.4KG			
Remote Operation	Remote Upgrade, Reboot and Reset			
(IP)				
Accessory				
Random Accessory	12V/1.5A Power Supply, RS232 Control Line, Remote Controller, Manual, Warranty Card			
Optional	Mounting Bracket			
Accessories				



Dimension(mm)

