UV510A series NDI HD Video Conference Camera

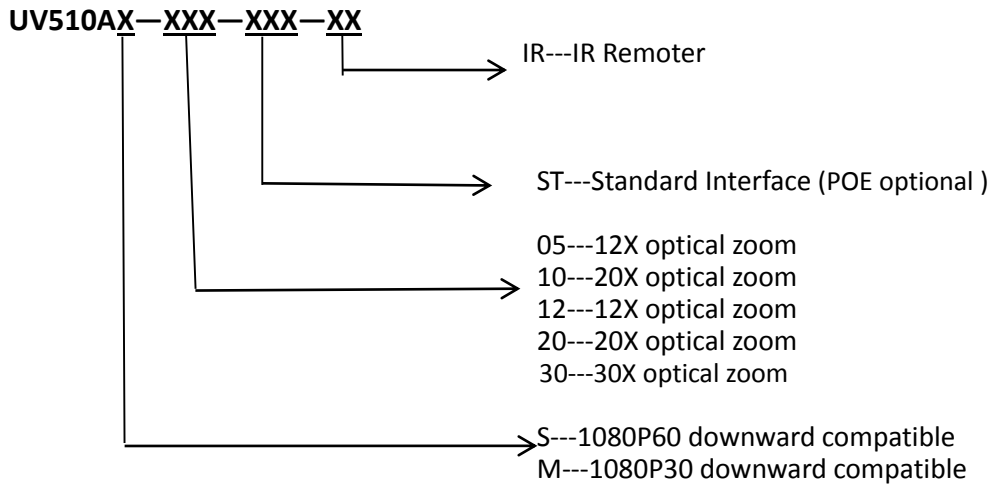## Full HD, Wide View Angle, Multi-protocols, Multiple Video Interfaces

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.

UV510A**X**—**XXX**—**XXX**—**XX**

IR---IR Remoter

ST---Standard Interface (POE optional)

05---12X optical zoom
10---20X optical zoom
12---12X optical zoom
20---20X optical zoom
30---30X optical zoom

S---1080P60 downward compatible
M---1080P30 downward compatible

Technical Specification

Model	UV510A-05	UV510A-10	UV510A-12	UV510A-20	UV510A-30
Camera Parameter					
Optical Zoom	5X f＝3.6～15.5mm	10X f＝4.7～47mm	12X f＝3.9～46.8mm	20X f＝5.2～110mm	30X f＝4.3～129mm
Sensor	1/2.8 inch high quality HD CMOS sensor				
Effective Pixels	16: 9, 2.07 megapixel				
Video Format	**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) 83.7°(wide)	6.43°(tele) 60.9°(wide)	6.3°(tele) 72.5°(wide)	3.3°(tele) 54.7°(wide)	2.34°(tele) 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 Illumination	0.1Lux				
DNR	2D & 3D DNR				
White Balance	Auto / Manual/ One Push/ 3000K/ 4000K/5000K/6500K				
Focus/Aperture/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				
Input/Output Interface					
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 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, **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 (IP)	Remote Upgrade, Reboot and Reset
Accessory	
Random Accessory	12V/1.5A Power Supply, RS232 Control Line, Remote Controller, Manual, Warranty Card
Optional Accessories	Mounting Bracket

Dimension(mm)