

# UV510F3

## Full HD PTZ Camera

### FEATURE:

- UV510A employs 1/2.8-inch-high quality CMOS sensor. Resolution is up to 1920x1080 with frame rate up to 60fps.
- Multiple Optical Zoom Lens: 5X, 10X, 12X, 20X, 30X and other optical zoom lens for options. The lens adopts 83.7° wide angle without distortion.
- Focus on intelligent image processing, to provide automatic white balance (AWB), automatic exposure (AE), automatic focusing (AF) function, fully automatically adapt to the environment, to achieve the best image effect, perfect trinity image automatic adjustment.
- Leading auto focus algorithm makes lens a fast, accurate and stable auto-focusing.
- 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.
- Support HDMI, SDI. SDI supports to transmit 100 meters under the 1080P60 format.
- Support 8000, 16000, 32000, 44100, 48000 sampling frequency and AAC, MP3, G.711A audio coding.
- Support H.264/H.265 video compression; AAC, MP3 and G.711A audio compression; Support compression of resolution up to 1920x1080 with frame up to 60fps.
- Support ONVIF, GB/T28181, RTSP, RTMP, NDI protocols and support RTMP push mode, which is easy to link streaming media server (Wowza, FMS), RTP multicast mode and network full command VISCA control protocol.
- Control Interface RS485, RS232. RS232 supports cascade function, which is convenient for installation.
- Support VISCA, PELCO-D, PELCO-P protocols and automatic identification protocol.
- Support low-power sleep/wake up; the consumption is lower than 400mW under sleep mode.
- Support 255 preset positions (the remote controller is set to 10 preset positions)
- Users can choose infrared remote controller or wireless remote controller according to the environmental conditions. 2.4G wireless remote controller is not affected by the angle, distance, infrared interference.
- Tele-education, Lecture Capture, Webcasting, Videoconferencing, Tele-training, Tele-medicine, Interrogation and Emergency command systems.



**UV510F3**

The UV510F3 Camera delivers exceptional performance with Full HD resolution, wide viewing angles, and multi-lens options, making it ideal for professional video applications. Equipped with advanced ISP processing algorithms, it ensures vivid images with remarkable depth, high resolution, and outstanding color accuracy. This versatile camera supports multiple video protocols and interfaces, enabling seamless integration into various systems. Additionally, its H.264/H.265 encoding ensures smooth and clear video streaming even under low-bandwidth conditions, providing reliable and high-quality video performance for a variety of needs.



# Camera

Full HD PTZ Camera

**SPECIFICATIONS:****Camera Parameter**

Sensor	1/2.8 inch high quality HD CMOS sensor
Effective Pixels	2.07 megapixel; 16:9
Video Format	1080P60/50/30/25/59.94/29.97; 1080I60/50/59.94; 720P60/50/30/25/59.94/29.97
Optical Zoom	20X f= 5.5~110mm
View Angle	3.3°(tele) - 54.7°(wide)
AV	F1.6 - F3.5
Digital Zoom	X10
Minimum Illumination	0.5Lux(F1.8, AGC ON)
Digital Noise Reduction	2D & 3D Digital Noise Reduction
White Balance	Auto / Manual/ One push/3000K/3500K/4000K/4500K/5000K/5500K/6000K/6500K/7000K
Focus	Auto/Manual/One Push
Aperture & Electronic Shutter	Auto/Manual
BLC	ON/OFF
WDR	OFF/Dynamic Range Adjustment
Video Adjustment	Brightness, Color, Saturation, Contrast, Sharpness, B/W mode, Gamma curve
SNR	>55dB

**Input/output Interface**

Video Interfaces	UV510A-ST model : SDI, HDMI , NDI, RS232(input & output), RS485, A-IN
Video Output Interfaces	HDMI ,SDI ,NDI
Image Stream	Double stream output
Video Compression Format	H.264, H.265
Control Protocol	VISCA/Pelco-D/Pelco-P; Baud Rate:115200/9600/4800/2400bps
Audio Input Interface	A-IN: Double track 3.5mm linear input
Audio Compression Format	AAC/MP3/G.711A
Network Interface	100M IP port(100BASE-TX)
Network Protocol	RTMPS, RTSP, RTMP, ONVIF, GB/T28181, NDI, Network VISCA Control Protocol, Support remote upgrade, reboot and reset.
Control Interface	RS232 (input & output),RS485
Power Interface	HEC3800 outlet (DC12V)
Power Adapter	Input: AC110V-AC220V; Output: DC12V/1.5A
Input voltage	DC12V±10%
Input current	1A (Maximum)
Power Consumption	12W(Maximum)

**RF Parameter**

Operating Frequency Range	5.1—5.9 (GHz)
Transmit Power	17dBm
Channel Bandwidth	40MHz
Modulation Mode	OFDM
Transmission Distance	≤300m (Outdoor without blocking), ≤150m (Indoor without blocking)
Transmission Data Rate	Max 300Mbps (Determined by transmission distance and channel occupancy)
Anti-interference mode	Manual/automatic channel mode selection

**PTZ Parameter**

Pan/Tilt Rotation	±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 Parameters**

Store Temperature	-10°C~+60°C
Store Humidity	20%~95%
Working Temperature	-10°C~+50°C
Working Humidity	20%~80%
Dimension(WxHxW)	150mm×150mm×167.5mm
Weight(around)	1.4KG
Application	Indoor

**Accessory**

Package	Power supply, RS232 control cable, Remote controller, User manual
Optional Accessories	Ceiling / Wall Mount (Extra Cost)



**Order No.**

