AUDIOVISUALS
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UV570 series HD Video Conference Camera

Models UV570B3_B6 (NDI Opt.)

Models UV570E2_E3

Description

UV570 series cameras are the next step up from the UV510 range, offering a more solid build and a richer feature set. Advanced ISP processing algorithms provide vivid images with a strong sense of depth, high resolution, and excellent color rendition at an affordable price.

Key Features

High-definition Image

- This range uses a 1/2.8-inch, 2.07-megapixel, high quality CMOS sensor, offering resolutions up to 1080P60.

Multiple Optical Zoom Lens

- Standard options include 12x and 20x optical zoom and 10x or 15x digital zoom.

Leading Auto Focus Technology

- Allows for quick, accurate and stable auto focus.

Low Noise and High SNR

- The adoption of advanced 2D/3D noise reduction technology as well as a low noise CMOS also ensures image sharpness.

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Multiple Audio Output Interfaces

- Depending on the model, there is support for HDMI, SDI, CVBS, USB3.0, USB2.0, LAN and NDI|HX outputs. The HDMI, SDI, LAN interfaces output audio and video simultaneously. For distances between 40-100m, use good-quality 6-G SDI cable or HDMI Active optic al cable.

Multiple Audio/Video Compression Standard

- Support H.264/H.265 video compression, AAC, MP3 and G.711A audio compression and 1920x1080 resolution with frame rate up to 60fps compression; Support 8000, 16000, 32000, 44100, 48000 sampling frequency.

Audio and Video Storage

- USB2.0 interface supports U disk storage function, real-time recoding, and storage.

Built-in gravity sensor

- Supports automatic flip functionality of the gimbal, convenient for hanging upside down in fixed installations.

Multiple Network Protocols

- ONVIF, GB/T28181, RTSP, RTMP, RTMP push mode, RTP multicast mode and network full command VISCA control protocol.
- **Control interface:** RS485, RS232; RS232 support cascade, easy to install and use.

Functions and Parameters

	Model No.	UV570B3 (NDI Opt.)	UV570B6 (NDI Opt.)	UV570E3	UV570E2
Lens	Optical Zoom	12X	20X	12X	20X
	Digital Zoom	15X		10X	
	Image Sensor	2.07, 1/2.8-inch high-quality CMOS sensor			
	View Angle	6.3°(N) 72.5°(W)	3.2°(N) 56°(W)	6.57°(N) 70.28°(W)	3.45°(N) 60.04°(W)
	Focus	3.9 -- 46.8mm	5.2 -- 98mm	4.1 -- 49.2mm	5.05 -- 91.49mm
	Aperture	F1.8 -- F2.4	F1.5 -- F3.0	F1.8 – F2.68	F1.8 – F2.9
Video	Video Output	HDMI, LAN(POE), USB3.0 (B-type, Compatible with USB2.0), SDI, A-IN, **NDI Optional**		HDMI, SDI, LAN(POE), USB2.0, A-IN	
	Video Format	**HDMI/SDI:** 1080P60, 1080P50, 1080P30, 1080P25, 720P60, 720P50, 1080P59.94, 1080P29.97, 720P59.94; **USB3.0:** **Mainstream.** YUY2/NV12: 1920×1080/1280×720/1024×576/800×600/800×448/640×360/640×480/480×270/320×180@30/25/20/15/10/5fps; MJPG/H264: 1920×1080/1600×896/1280×720/1024×576/960×540/800×600/800×448/720×576/720×480/640×360/640×480/480×270/352×288/320×240@30/25/20/15/10/5 fps. **Sub-stream.** YUY2/NV12: 1920×1080/1280×720/1024×576/800×600/800×448/640×360/640×480/480×270/320×180@30/25/20/15/10/5fps; MJPG/H264: 1920×1080/1600×896/1280×720/1024×576/960×540/800×600/800×448/720×576/720×480/640×360/640×480/480×270/352×288/320×240@30/25/20/15/10/5fps		**HDMI/SDI:** 1080P60/50/30/25/59.94/29.97；1080I60/50/59.94；720P60/50/59.94/ **USB2.0:** 320x240/352x288/640x360/640x480/704x576/704x480/720x576/800x448/800x600/960x540/1024x576/1024x768/1280x720/1920x1080P30/25/20/15/10/5	
	Video Compression	LAN: H.265, H.264 USB 3.0: YUY2, MJPG, H264, NV12		LAN: H.264, H.265 USB 2.0: MJPG, H264, H265, YUY2, NV12	
	S/N Rate	≥50dB		>55dB	

	Model No.	UV570B3 (NDI Opt.)	UV570B6 (NDI Opt.)	UV570E3	UV570E2
Other	Minimum Illumination	0.5 Lux (F1.8, AGC ON)			
	DNR	2D&3D			
	AWB	Automatic, manual, one-key white balance, specified color temperature			
	Focus Mode	Automatic, manual, one-key focus			
	Shutter Speed	1/25 -- 1/10000		—	
	BLC	On/Off			
	Dynamic Range	Off, 1 -- 8		Off, Dynamic Level Adjustment	
	Image Adjustment	Brightness, chroma, saturation, contrast, sharpness, black and white mode, gamma curve			
Interface	LAN interface	10M/100M adaptive Ethernet port, support POE power supply, support audio and video output			
	Control Interface	RS232-IN, RS232-OUT, RS422 (Compatible with RS485), Rotary Switch		RS232-IN, RS232-OUT, RS485, Rotary Dip,	
	Network Protocol	RTSP, RTMP, ONVIF, GB/T28181		RTSP, RTMP, ONVIF, GB/T28181, support remote upgrade, remote reboot, remote reset	
	Serial Protocol	VISCA OVER IP, IP VISCA, RTMPS, SRT Support remote upgrade, remote restart, remote reset			
	USB Protocol	UVC (Video Communication Protocol), UAC (Audio Communication Protocol)			
PTZ	Pan Movement Range	-170° -- +170° / 0.1°/s -- 100°/s		-170° -- +170° / 0.1°/s -- 60°/s	
	Tilt Movement Range	-30° -- +90° / 0.1°/s -- 45°/s		-30° -- +90° / 0.1°/s -- 30°/s	
	Preset	Maximum 255 preset positions can be set (10 via remote controls) / Pan: 100°/s, Tilt: 45°/s		Maximum 255 preset positions can be set (10 via remote controls) / Pan: 60°/s, Tilt: 30°/s	
AI Tracking Function	Real-Time Tracking	Maximum Tracking Range: 6-7 meters. Support speakers to walk at a speed of 1.3-1.7m/s.			
	Regional Tracking	Maximum Tracking Region: 4. Support set the region within horizontal -170°-- +170° and vertical -30°-- +90°			
Audio	Audio Input	Dual channel 3.5mm linear input			
	Audio Output	HDMI, SDI, LAN, USB3.0		HDMI, LAN, USB2.0	
	Audio Compression Format	AAC, MP3, G.711A			

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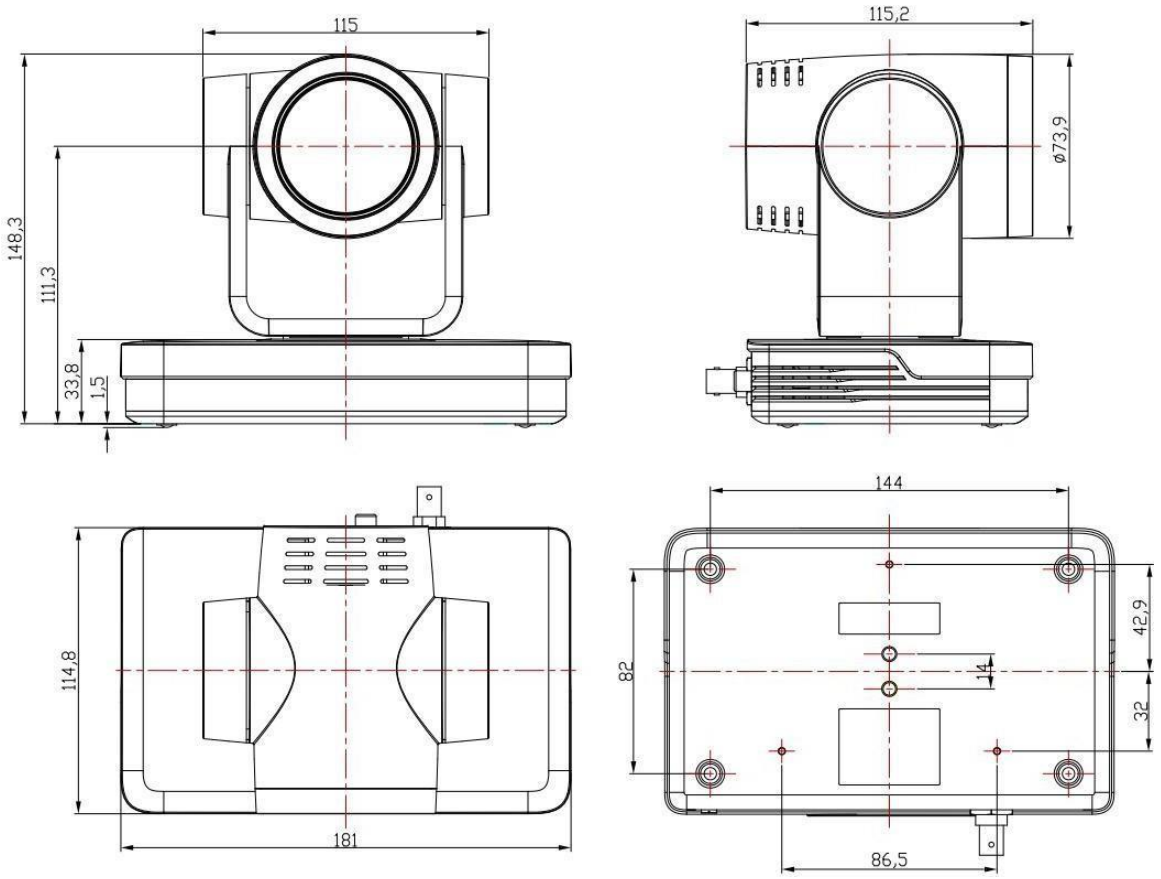
	Model No.	UV570B3 (NDI Opt.)	UV570B6 (NDI Opt.)	UV570E3	UV570E2
Other	Power Supply	HEC3800 Power socket (DC12V) output DC12V/2.5A / DC12V±10% / <1A / <12W		HEC3800 Power socket (DC12V) output DC12V/1.5A / DC12V±10% / <1A / <12W	
	Storage temperature	-10℃ -- +70℃		-10℃ -- +60℃	
	Storage Humidity	20% -- 95%			
	Working temperature	-10℃ -- +50℃			
	Working Humidity	20% -- 80%			
	Dimension	181 mm x 115 mm x 149 mm			
	Weight	1.2 kg			
	Environment	Indoor			
Accessory	Supplied Accessory	Power adapter, RS232 control line, USB3.0 connection line, remote control, user manual			
	Optional Accessory	Ceiling mounting bracket, wall mounting bracket