

U2U3 series HD Video Conference Camera



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

The U2U3 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.265 encoding which makes motion video fluent and clear even under less than ideal bandwidth conditions.

Key Features

- **Superb High-definition Image**
U2U3 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)**
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 resolution up to 1920x1080 with frame up to 60fps and 2 channel 1920x1080p with 30fps compression.
- **Multiple Network Protocol**
Support 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	U2U3-05	U2U3-10	U2U3-12	U2U3-20
Camera Parameter				
Optical Zoom	5X f=3.6~18mm	10X f=4.7~47mm	12X f=3.9~46.1mm	20X f=5.2~98mm
Sensor	1/2.8 inch high quality HD CMOS sensor			
Effective Pixels	16: 9, 2.07 megapixel			
Video Format	HDMI/SDI/HDBaseT video format 1080P60/50/30/25/59.94/29.97; 1080I60/50/59.94; 720P60/50/30/25/59.94/29.97 USB3.0 interface video format 1) U3: 1920X1080P60/50/30/25; 1280X720P30/25/15/10 ; 960X540P30 ; 640X360P30 2) U3 compatible with U2: 960X540P30; 640X360P30; 1280X720P10/15; 720X576P30; 720X480P30 USB2.0 interface video format: 176x144/320x240/320x180/352x288/640x480/720x480/720x576/640x360 800X600/960X540/1024X576/1024X768/1280X720/1920X1080 P30/25/20/15/10/5			
View Angle	16.3°(tele)--80.9°(wide)	6.43°(tele)--60.9°(wide)	6.3°(tele)--72.5°(wide)	3.3°(tele)--54.7°(wide)
AV	F1.6 – F3.0	F1.6 – F3.0	F1.8 – F2.4	F1.6 – F3.5
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/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	U2U3-05/10/12/20 Model: USB2.0, USB3.0, HDMI, LAN, RS232 (In)			
Video Compression Format	H.264, H.265, Dual stream output			
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 (U2 don't support ONVIF)			
Power Interface	HEC3800 outlet (DC12V)			
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 Parameter				
Supply Adapter	AC110V-AC220V to DC12V/1.5A			
Dimension	150mmX150mmX167.5mm			
Weight	1.4KG			
Remote Operation (IP)	Remote Upgrade, Reboot and Reset			

Dimension(mm):

