SOUNDVISION VIDEO CONFERENCE CAMERA HD-300U HIGH DEFINITION CAMERA TRACKING





SOUNDVISION HD-300U High Definition (HD) 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.

Applications:

High Definition (HD) video conferencing camera HD-300U is widely used in Video Conference System, remote learning, Telemedicine, meeting, Church, Scene of the incident, courts, media centers, chain stores, transportation airports and other monitoring sites.

Feature

- Superb High-definition Image
 - HD-300U employs 1/2.8-inch-high quality CMOS sensor. Resolution is up to 1920x1080 with frame rate up to 60 fps.
- Optical Zoom Lens:
 - 20X optical zoom lens for options. The 5X zoom lens is with 80.9 $^{\circ}$ wide view angle without distortion.
- 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.
- Quiet PTZ:
 - By adopting high accuracy step driving motor mechanism, it works extremely quiet and moves smoothly and very quickly to designated position.
- Multi-Format Video Outputs:
 - support HDMI, USB, wired LAN and wireless LAN interfaces.
- Multiple Remote Controls:
 - There is IR remoter and 2.4G wireless remote for options. The 2.4G wireless remote controller will not be affected by angle, distance or IR interference. Support transparent transmission function.
- Low-power Sleep Function:
 - Support low-power sleep/wake up, the consumption is lower than 500mW under sleep mode $\,$
- Support Multiple Control Protocol:
 - $Support\,VISCA, PELCO-D, PELCO-P\ protocols\ which\ can\ also\ be\ automatically\ recognized.\ Support\,VISCA\ control\ protocol\ through\ IP\ port.$
- RS-232 Cascade Function:
 - support RS-232 cascade function which is convenient for installing.
- 255 Presets Positions:
 - Up to 255 presets (10 presets by remoter).
- Wide Application:
 - Tele-education, Lecture capture, Webcasting, Videoconferencing, Tele-training, Tele-medicine, Interrogation and Emergency command systems.

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Network performance

• Audio Input Interface:

Support 16000, 32000, 44100, 48000 sampling frequency and AAC, MP3, PCM audio coding.

• 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 60 fps and 2 channel 1920x1080p with 30 fps compression.

• Multiple network protocol:

Support ONVIF, RTSP, RTMP protocols and RTMP push mode, easy to link streaming media server (Wowza, FMS)

Specifications

Model	HD-300U
Camera Parameter	
Sensor	1/2.8 inch high quality HD CMOS sensor
Effective Pixels	16:9 2.07 megapixel
Video Format	ST Video format 1080P60/50/30/25/59.94/29.97; 1080I60/50/59.94; 720P60/50/30/25/59.94/29.97 U3 interface video format
	 U3: 1920×1080P60/50/30/25; 1280×720P60/50/30/25; 960×540P30; 640×360P30; 640×480P30; 352×288P30; 960×540P30; U3 compatible with U2: 960×540P30; 640×360P30; 1280×720P10/15; 720×576P50; 720×480P60; 640×480P30; 352×288P30.
	U2 interface video format 176x144/320x240/320x180/352x288/640x480/720x576/640x360/800x600/960x540/ 1024x576/1024x768/1600x896/1920x1080/1280x720; P30/25/20/15/10/5
Optical Zoom	20X f=5.2~98mm
View Angle	3.2° (tele) 55.8° (wide)
AV	F1.5 - F3.0
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	Auto/Manual
Aperture	Auto/Manual
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

Specifications

Double streams outputs simultaneously Video Compression format H.264, H.265 Control Signal Interface RS-232 Ring through RS232 output VISCA/Pelco-D/Pelco-P; Baud Rate: 115200/9600/4800/2400bps Audio input Interface Double track 3.5mm linear input; Audio Compression Format AAC/M93/PMC Audio compression HD IP Interface Support IP Visca control protocol RTSP/RTMP, ONVIF Power Interface HEC3800 outlet (DC12V) PTZ Parameter Pan Rotation \$\frac{\pmathrm{\text{2}}}{100} \text{ output} \	Input/Output Interface	
Wideo Compression format H.264, H.265 Control Signal Interface RS-232 Ring through RS232 output VISCA/Pelco-D/Pelco-P; Baud Rate: 115200/9600/4800/2400bps Audio input Interface Double track 3.5mm linear input; Audio Compression Format AAC/M93/PMC Audio compression HD IP Interface Support IP Visca control protocol Network Protocol RTSP/RTMP, ONVIF Power Interface HEC3800 outlet (DC12V) PTZ Parameter Pan Rotation \$170° Tilt Rotation \$30°~+90° Pan Control Speed 0.1-80°/sec Tilt Control Speed 0.1-80°/sec Preset Speed Pan: 60°/sec, Tilt: 30°/sec Preset Speed Parameter Supply Adapter Supply Adapter Input Voltage DC12V±10% Input Current 1A(Max) Consumption 12W (Max) Store Temperature 1-10°C to +60°C Store Humidity 20%-95% Working Temperature 1-10°C to +50°C Working Humidity 1.4KG Working Environment Remote Operation (IP) Remote Upgrade, Reboot and Reset Accessory Power Supply, RS232 Control Cable, USB3.0 Cable, Remoter, Manual, Warranty card	Video Interfaces	HDMI, USB2.0, USB3.0, LAN
Control Signal Interface 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/M93/PMC Audio compression HD IP Interface Support IP Visca control protocol Network Protocol RTSP/RTMP, ONVIF Power Interface HEC3800 outlet (DC12V) PTZ Parameter Pan Rotation \$\delta \text{170}^\text{\text{o}} \text{\text{o}} \te	Image code stream	Double streams outputs simultaneously
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/PMC Audio compression HD IP Interface Support IP Visca control protocol Network Protocol RTSP/RTMP, ONVIF Power Interface HEC3800 outlet (DC12V) PTZ Parameter Pan Rotation \$\frac{\pmathrm{1}{2}}{2} \$\text{ \$	Video Compression format	H.264, H.265
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AAC/MP3/PMC Audio compression HD IP Interface Support IP Visca control protocol Network Protocol RTSP/RTMP, ONVIF Power Interface HEC3800 outlet (DC12V) PTZ Parameter Pan Rotation #170° Pan Control Speed 0.1 - 180°/sec Preset Speed Pan: 60°/sec, Tilt: 30°/sec Preset Number 255 presets (10 presets by remote controller) Other Parameter Supply Adapter Input Voltage Input Voltage Input Voltage Input Corrent 1A(Max) Consumption 12W (Max) Store Temperature -10°C to +60°C Store Humidity 20% - 95% Working Temperature -10°C to +50°C Working Humidity 20%-80% Working Environment Weight 1.4KG Working Environment Remote Operation (IP) Remote Upgrade, Reboot and Reset Accessory Prover Supply, RS232 Control Cable, USB3.0 Cable, Remoter, Manual, Warranty card	Control Protocol	VISCA/Pelco-D/Pelco-P; Baud Rate: 115200/9600/4800/2400bps
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Power Interface HEC3800 outlet (DC12V) PTZ Parameter Pan Rotation	HD IP Interface	Support IP Visca control protocol
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Input Current 1A(Max) Consumption 12W (Max) Store Temperature -10°C to +60°C Store Humidity 20% - 95% Working Temperature -10°C to +50°C Working Humidity 20%80% Dimension 150mm X 150mm X 167.5mm Weight 1.4KG Working Environment Indoor Remote Operation (IP) Remote Upgrade, Reboot and Reset Accessory Power Supply, RS232 Control Cable, USB3.0 Cable, Remoter, Manual, Warranty card	Supply Adapter	AC110V-AC220V to DC12V/2A
Consumption 12W (Max) Store Temperature -10°C to +60°C Store Humidity 20% - 95% Working Temperature -10°C to +50°C Working Humidity 20%80% Dimension 150mm X 150mm X 167.5mm Weight 1.4KG Working Environment Indoor Remote Operation (IP) Remote Upgrade, Reboot and Reset Accessory Power Supply, RS232 Control Cable, USB3.0 Cable, Remoter, Manual, Warranty card	Input Voltage	DC12V±10%
Store Temperature -10°C to +60°C Store Humidity 20% - 95% Working Temperature -10°C to +50°C Working Humidity 20%80% Dimension 150mm X 150mm X 167.5mm Weight 1.4KG Working Environment Indoor Remote Operation (IP) Remote Upgrade, Reboot and Reset Accessory Power Supply, RS232 Control Cable, USB3.0 Cable, Remoter, Manual, Warranty card	Input Current	1A(Max)
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Remote Operation (IP) Remote Upgrade, Reboot and Reset Accessory Power Supply, RS232 Control Cable, USB3.0 Cable, Remoter, Manual, Warranty card	Weight	1.4KG
Accessory Power Supply, RS232 Control Cable, USB3.0 Cable, Remoter, Manual, Warranty card	Working Environment	Indoor
	Remote Operation (IP)	Remote Upgrade, Reboot and Reset
Optional Accessory Bracket	Accessory	Power Supply, RS232 Control Cable, USB3.0 Cable, Remoter, Manual, Warranty card
	Optional Accessory	Bracket