

# SOUNDVISION Video Conference Camera

## HD-300 High Definition Camera Tracking



**SOUNDVISION HD-300 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-300 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

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- **Superb High-definition Image**  
HD-300 employs 1/2.8 inch, 2.07 megapixel 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, HD-300 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.

### Certifications : CE and RoHS

The HD-300 conforms to standard

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### Specifications

Model	HD-300
<b>Camera Parameter</b>	
Sensor	1/2.8 inch high quality HD CMOS sensor
Effective Pixels	16: 9 2.07 megapixel
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=5.2 ~ 98mm
View Angle	3.3°(tele) 54.7°(wide)
AV	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	Auto / Manual
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
<b>Input/Output Interface</b>	
Video Interfaces	Model:SDI, HDMI, LAN, RS232, RS485, A-IN
Image code stream	Double streams outputs simultaneously
Video Compression format	H.264, H.265, Dual stream output
Control Signal Interface	RS-232 Ring through RS232 output, RS-485
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	100M IP Port (100BASE-TX); Support VISCA protocol control through IP port.
Network Protocol	RTSP, RTMP, ONVIF, GB/T28181
Power Interface	HEC3800 outlet (DC12V)
<b>PTZ Parameter</b>	
Pan Rotation	±170°
Tilt Rotation	-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)

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Other Parameter	
Supply Adapter	AC110V-AC220V to DC12V/1.5A
Input Voltage	DC12V±10%
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

