



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 ° 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.

## 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  |
|-------------------------|--|
| <b>Camera Parameter</b> |  |
| Sensor                  | 1/2.8 inch high quality HD CMOS sensor   |
| Effective Pixels        | 16 : 9 2.07 megapixel  |
| Video Format            | <p><b>ST Video format</b><br/>1080P60/50/30/25/59.94/29.97 ; 1080I60/50/59.94 ; 720P60/50/30/25/59.94/29.97</p> <p><b>U3 interface video format</b><br/>1) U3 : 1920x1080P60/50/30/25 ; 1280x720P60/50/30/25 ; 960x540P30 ; 640x360P30 ; 640x480P30 ; 352x288P30 ; 960x540P30 ;<br/>2) U3 compatible with U2 : 960x540P30 ; 640x360P30 ; 1280x720P10/15 ; 720x576P50 ; 720x480P60 ; 640x480P30 ; 352x288P30.</p> <p><b>U2 interface video format</b><br/>176x144/320x240/320x180/352x288/640x480/720x576/640x360/800x600/960x540/1024x576/1024x768/1600x896/1920x1080/1280x720 ; P30/25/20/15/10/5</p> |
| Optical Zoom            | 20X<br>f=5.2~98mm  |
| View Angle              | 3.2° (tele)<br>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

| <b>Input/Output Interface</b> |   |
|-------------------------------|---|
| Video Interfaces              | HDMI, USB2.0, USB3.0, LAN   |
| Image code stream             | Double streams outputs simultaneously   |
| Video Compression format      | H.264, H.265  |
| Control Signal Interface      | RS-232 Ring through RS232 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/PMC Audio compression   |
| HD IP Interface               | Support IP Visca control protocol   |
| Network Protocol              | RTSP/RTMP, ONVIF  |
| Power Interface               | HEC3800 outlet (DC12V)  |
| <b>PTZ Parameter</b>          |   |
| Pan Rotation                  | ±170°   |
| Tilt Rotation                 | -30°~+90°   |
| Pan Control Speed             | 0.1 -180°/sec   |
| Tilt Control Speed            | 0.1-80°/sec   |
| Preset Speed                  | Pan: 60°/sec, Tilt: 30°/sec   |
| Preset Number                 | 255 presets (10 presets by remote controller)                                   |
| <b>Other Parameter</b>        |   |
| Supply Adapter                | AC110V-AC220V to DC12V/2A   |
| 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  |
| Accessory                     | Power Supply, RS232 Control Cable, USB3.0 Cable, Remoter, Manual, Warranty card |
| Optional Accessory            | Bracket   |