

HCS-9316HDN HD Videoconference Camera



Features

- **Quiet PTZ:** By adopting high accuracy Algorithm for PTZ Control, Precise location($\pm 0.1^\circ$), it works extremely quiet and moves smoothly and very quickly to designated position.
- **Superb high-definition image:** It employs high quality CMOS sensor. Resolution is up to 1920x1080 with frame rate up to 60 fps.
- **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.
- **20X optical zoom lens and 12x zoom lens:** fast, accurate and stable auto-focus lens with up to 20x optical zoom.
- **Full HD multi-format video output:** It provides HDMI signal output, HD-SDI signal output and IP signal output
- **RS-232C/RS485 (optional) remote control (VISCA protocol/Pelco-D/ Pelco-P):** remote high-speed communication control of all camera settings and pan/tilt/zoom operations using the RS-232C/RS485 (optional) interface. Multiple cameras can be connected via RS-232 cascade interface (VISCA protocol)
- **Multiple address settings:** set the local address via the Menu/VISCA serial command
- **255 presets positions:** the 255 positions can be pre-set through the serial port, including level, tilt and zoom for presetting, and the preset data can be saved even when the camera is powered down and turned off.
- **Multi-functional remote control:** equipped with an easy-to-use remote control, in addition to the basic settings, as well as the level, tilt, zoom, etc. to control, but also through the remote control to call out the menu to set the relevant parameters of the camera.
- **Optional camera reversal function:** support the camera backwards, and can be installed through the OSD menu or send a serial command to change the way.
- **OSD menu function:** rich OSD menu, you can control the Chinese and English OSD menu by remote control

HCS-9316HDN camera for enterprise, education and telemedicine applications with 20x optical zoom and a high frame rate of 60FPS. Users get HD video by connecting to HDMI cables and coaxial video cables. The advanced servo control algorithm enables accurate positioning, smooth and quiet PTZ control. The wide angle lens of the camera can easily cover everyone in the room during video conferencing. It supports 255 preset positions.

SONY's sensitive EXMOR CMOS image sensor ensures exquisite full HD images and high horizontal resolution. High frame rate operation of up to 60FPS ensures natural and clear picture quality, even for the moving object.

It also provides HD-SDI and HDMI interfaces that can output 60FPS frame rate, and can automatically receive VISCA commands and PELCO-P/D protocol commands. You can choose to use RS232 or RS485 interface for connection.

Technical Specifications

Electrical

Image sensor	1/2.8-type HD CMOS sensor
Effective pixels	Five mega pixels, 16:9
Video format	1080P60/50/30/25/59, 1080i/60/50/59, 720P60/50/59
Zoom magnification	20x Optical + 12x digital
Lens zoom	20x optical zoom lens, f=4.7-94 mm
Viewing angle	2.9° (narrow angle) - 62° (wide angle)
Minimum illumination	0.1Lux
White balance	Auto/Indoor/Outdoor/ATW/Manual/Custom
Focus	Auto/Manual
Aperture	F1.6-F9.6
Shutter	1/1-1/100000
SNR	> 52 dB
HD video interface	HDMI, HD-SDI (3G), IP
Control signal interface	8 core mini DIN
Control signal format	Start bit: 1 bit, data bit: 8 bits, stop bit: 1 bit Baud rate: 115200/9600/4800/2400bps
Encoding format	H.264Baseline, Main Profile, High profile H.265 Mainfile MJPEG
Image resolution	Master stream: 1920*1080@30fps, 1280*720@30fps Secondary stream: 720*576@30fps, 640*480@30fps
Video compression bitrate	32kbps-16Mbps continuously adjustable, support CBR/VBR
Subtitle Overlay	Support channel name, date and time, stream information superimposed, superimposed position adjustable
Data Storage	Video, picture files
Storage mode	Manual, automatic
Protocol	TCP/IP, UDP, RTP, RTSP, RTCP, HTTP, DNS, DDNS, DHCP, FTP, NTP, PPPOE, SMTP, UPNP
ONVIF protocol	Standard ONVIF protocol
Client view	Support IE6.0 and above browsers

Power adapter.....AC100V-AC240V to DC12V/1.5A
 Input voltage.....DC12V(DC11.5-DC12.5V)
 Power consumption.....15W (max)
 Mechanical properties.....Pan: ±170°; Tilt: -30° to~90°
 Pan speed: 1-100°/sec; Tilt speed: 1-60°/sec
 Preset speed: Pan:100°/sec, Tilt: 60°/sec
 Preset position accuracy: 0.1°
 Preset position.....255 (TAIDEN conference management software
 can preset, clear and recall 64 preset positions)
 Pan/Tilt control mode.....Servo motor control
 Use environment.....Indoor
 Storage temperature.....-10℃ to +60℃
 Operating temperature.....0℃ to +45℃

Mechanical

Dimension (W X H X D)..... 155 mm X 186 mm X 172 mm
 Color.....Black
 Weight.....1.3 kg

Ordering Information

HCS-9316HDN.....HD Videoconference Camera
 (with remote control, black)