

YC531 HD conference video camera (USB version)



Main Features

Camera Performance

The 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.265/H.264 encoding which makes motion video fluent and clear even with less than ideal bandwidth conditions.



1. **Superb High-definition Image:** It employs 1/2.8 inch high quality CMOS sensor. Resolution is up to 1920x1080 with frame rate up to 60 fps.
2. **Various Optical Zoom Lens:** It has 5X/10X/12X/20X optical zoom lens for options. The 5X zoom lens is with 80.9 ° wide view angle without distortion.
3. **Leading Auto Focus Technology:** Leading auto focus algorithm makes lens a fast, accurate and stable auto-focusing.
4. **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.
5. **Quiet PTZ:** By adopting high accuracy step driving motor mechanism, it works extremely quiet and moves smoothly and very quickly to designated position.
6. **Multi-Format Video Outputs:** support HDMI,3G-SDI, USB, wired LAN and wireless LAN interfaces.The 3G-SDI is available for 100m transmission at 1080p60 format.
7. **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.
8. **Low-power Sleep Function:** Support low-power sleep/wake up, the consumption is lower than 500mW under sleep mode
9. **Support Multiple Control Protocol:** Support VISCA, PELCO-D, PELCO-P protocols which can also be automatically recognized. Support VISCA control protocol through IP port.
10. **RS-232 Cascade Function:** ST series support RS-232 cascade function which is convenient for installing.
11. **255 Presets Positions:** Up to 255 presets (10 presets by remoter).
12. **Wide Application:** Tele-education, Lecture, Capture, Web-casting, Videoconferencing, Tele-medicine, Interrogation and Emergency command system.

Network performance

1. **Audio Input Interface:** Support 16000,32000,44100,48000 sampling frequency and AAC, MP3, PCM audio coding.

2. **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.

3. **Multiple network protocol:** Support ONVIF,RTSP,RTMP protocols and RTMP push mode, easy to link streaming media server (Wowza, FMS)

4. **5G WIFI function:** If the product contains 5G wifi module, you can set up a wireless wifi connection in a webpage, the specific configuration described in detail on the page of web configuration.

Product Specifications



Model	YC531
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 1)U3:1920X1080P60/50/30/25;1280X720P60/50/30/25;960X540P30;640X360P30;640X480P30;352X288P30;960X540P30; 2)U3 compatible with U2: 960X540P30; 640X360P30; 1280X720P10/15; 720X576P50; 720X480P60; 640X480P30; 352X288P30. 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	5X f=3.6~18mm	10X f=4.7~47mm	12X f=3.9~46.1mm	20X f=5.2~98mm
View Angle	16.43°(tele) 80.9°(wide)	6.43°(tele) 60.9°(wide)	6.3°(tele) 72.5°(wide)	3.2°(tele) 55.8°(wide)
AV	F1.6 – F3.0	F1.6 – F3.0	F1.8 – F2.4	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			

Input/Output Interface	
Image code stream	Double streams outputs simultaneously
Video Compression format	H.264, H.265
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); 5G WiFi (optional), 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 -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)
Other Parameter	
Supply Adapter	AC110V-AC220V to DC12V/2A
Input Voltage	DC12V±10%
Input Current	1A(Max)
Consumption	12W (Max)
Store Temperature	-10℃ to +60℃
Store Humidity	20% - 95%
Working Temperature	-10℃ to +50℃
Working Humidity	20%--80%
Dimension	150mmX150mmX167.5mm
Weight	1.4KG
Working Environment	Indoor
Remote Operation (IP)	Remote Upgrade, Reboot and Reset
Accessory	Power Supply,USB Cable,Remoter,Manual, Warranty card
Optional Accessory	Bracket

