

KT-HD91A/KT-HD91R

HD video conference camera

1080P 60FPS

USB3.0+HDMI+LAN+SDI

NDI|HX OPTIONAL



Features

■ 1080P HD Resolution:

HD91A: Apply SONY 1/2.8" Progressive CMOS sensor, 2.07 Megapixels, can reach max.1920x1080 high resolution with frame rate up to 60fps.

HD91R: Apply SONY 1/2.8" Progressive CMOS sensor, 2.07 Megapixels, can reach max.1920x1080 high resolution with frame rate up to 60fps.

■ Abundant Outputs:

Support HDMI, 3G-SDI, LAN, USB3.0 HD 1080P output in sync.

■ Ultra High Frame Rate:

Video output frame rate can reach 1080P 60fps.

■ Optical zoom can choose:

HD91A: 20x optical zoom+16x digital zoom

HD91R: 12x optical zoom+16x digital zoom

■ Low Light:

Brand new CMOS image sensor with ultra high S/N Ratio can effectively reduce image noise in low light conditions. Applying 2D&3D Digital noise reduction at the same time, it reduces

image noise greatly, even in ultra low light conditions, it could still remain the frame clean and clear, S/N Ratio of the image is higher than 55dB.

■ Remote Control:

Use RS232, RS422/RS485 serial ports to control multiple cameras with daisy chain.

■ Signal transparent transmission function of infrared remote controller:

Apart from receiving its own infrared remote controller's signals, it can also receive signals of the consumer's infrared remote controller and send to video conference terminal via VISCA IN port.

■ Multi-installation Methods:

Wall mounting, desktop or ceiling mounting.

Specifications

Camera	
Resolution	1080p60/50, 1080p59.94/29.97, 1080p30/25, 1080i60/50, 1080i59.94, 720p60/50
Image Sensor	SONY 1/2.8" Progressive CMOS
Scan Mode	Line by line
Lens	HD91A 20X optical zoom, f=5.2mm(w)~104mm(f) HD91R 12X optical zoom, f=3.9mm(w)~46.8mm(f)
Focus System	Auto/Manual
Minimum Illumination	0.1 Lux
Shutter Speed	1/1~1/10000s
White Balance	Auto/Manual/Indoor/Outdoor
Backlight Compensation	Support
Digital Noise Reduction	2D&3D Digital noise reduction
S/N Ratio	≥50dB
Horizontal View Angle	HD91A 58.7°(W)~3.2°(T) HD91R 72.5°(W)~6.5°(T)
Vertical View Angle	HD91A 33°~1.8° HD91R 40.8°~3.7°
Horizontal Rotation Range	355°
Vertical Rotation Range	-30°~+90°
Horizontal Rotation Speed Range	1°~90°/s
Vertical Rotation Speed Range	1°~90°/s
Electronic Flip	Support
Image Freeze	Support
POE Power Supply	802.3af(optional)

Preset Position	9 preset positions by IR remote controller, 200 preset positions by joystick controller or PC
Accuracy of Preset Position	0.1°±10%
USB Features	
Protocol	UVC1.1, UAC1.0
Operating System	Window7 and above, MacOS, Linux, Android
UVC Video Coding Format	YUY2, MJPEG, H.264, H.265
UVC Video Resolution	320x240, 640x480, 720x576, 800x600, 1280x720, 1920x1080, 3840x2160 and so on
UVC Video Frame Rate	Max.60
Network Characteristics	
Code Stream	Main code stream*1, Auxiliary code stream*1
Coding Format	H.264, H.265, MJPEG
Streaming Media Protocol	RTMP, RTSP, RTMPS, ONVIF, SRT, NDI HX(optional)
Main Code Stream Resolution	576P30, 720P25, 720P30, 1080P25, 1080P30, 2160P25, 2160P30
Auxiliary Code Stream Resolution	576P30, 720P25, 720P30
Interface	
Video Output HD	1 Line, HDMI: Version1.4 1 Line, 3G-SDI: SMPTE-274M(Level A), SMPTE-296M
USB Interface	1 Line, USB 3.0, Type-B Socket
Network Interface	1 Line, RJ45: 10M/100M Ethernet port
Other Input	1 Line, Line In, 3.5mm AUDIO-IN
Control Mode	1 Line, RS232 IN: 8 Pin Mini Din, up to 30 meters, VISCA/Pelco-D/Pelco-P Protocol
	1 Line, RS232 OUT: 8 Pin Mini Din, up to 30 meters, VISCA/Pelco-D/Pelco-P Protocol
	1 Line, RS422/485 IN/OUT: Nine-core Phoenix Interface, up to 1200 meters, VISCA/Pelco-D/Pelco-P Protocol
Power Interface	DC 12V IEC60130-10(JEITA Standard RC-5320A) TYPE4
General Specifications	
Input Voltage	DC 12V
Input Current	Max.1.0A
Power Consumption	Max.12W(DC 12V)
Operating Temperature	0~40℃
Storage Temperature	-10-60℃
Camera Dimensions	(L)164×(W)148×(H)173mm
Color	Black
Weight	1050g
Accessories	DC 12V power adapter, IR Remote, Operation manual, RS-232C Cable, HDMI

	Cable, USB Cable, Ceiling bracket (Wall bracket optional)
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