

KT-UH61RK

(NDI Version: KT-UH61RKN)

4K 12x Ultra HD PTZ Camera

4K30FPS

HDMI+USB3.0+LAN+3G-SDI

NDI®|HX2 (Optional)

AI Tracking

Auto Framing



Features

■ 4K Ultra HD Resolution:

Applies SONY 1/2.8" Progressive CMOS sensor, 8.50 Megapixels, 4K (3840x2160) high resolution with frame rate up to 4K 30fps.

■ USB3.0+HDMI+LAN+3G-SDI Full Interface, Rich Application Scenarios:

Default Version: Supports synchronized Ultra HD 4K output via HDMI and USB3.0, and synchronized Full HD 1080 output via LAN and 3G-SDI.

Optional Version: Supports synchronized Ultra HD 4K output via HDMI and LAN, and synchronized Full HD 1080 output via USB3.0 and 3G-SDI.

■ Ultra High Frame Rate:

Support HDMI, LAN, video output frame rate can reach 4K 30fps.

■ 12x Optical Zoom+16x Digital Zoom:

UH61RK/UH61RKN: Applies high quality 8.50 megapixels 4K ultra wide-angle lens, 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. Applied 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

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

■ Multiple Video Compression Standards:

Different interfaces support YUY2, H.265, MJPG, H.264 multiple video compression formats.

■ Multiple Network Protocols:

Supports network protocols including ONVIF, SRT, RTSP, RTMP, RTMPS, NDI@|HX2 (optional).

■ Multiple Control Protocols:

Supports VISCA (including VISCA Over IP), PELCO P/D, NDI (optional) protocols, with automatic protocol recognition.

■ Multi-installation Methods:

Wall mounting, desktop or ceiling mounting.

■ New generation AI human tracking algorithm:

Upgraded to support AI intelligent tracking and automatic framing functions.

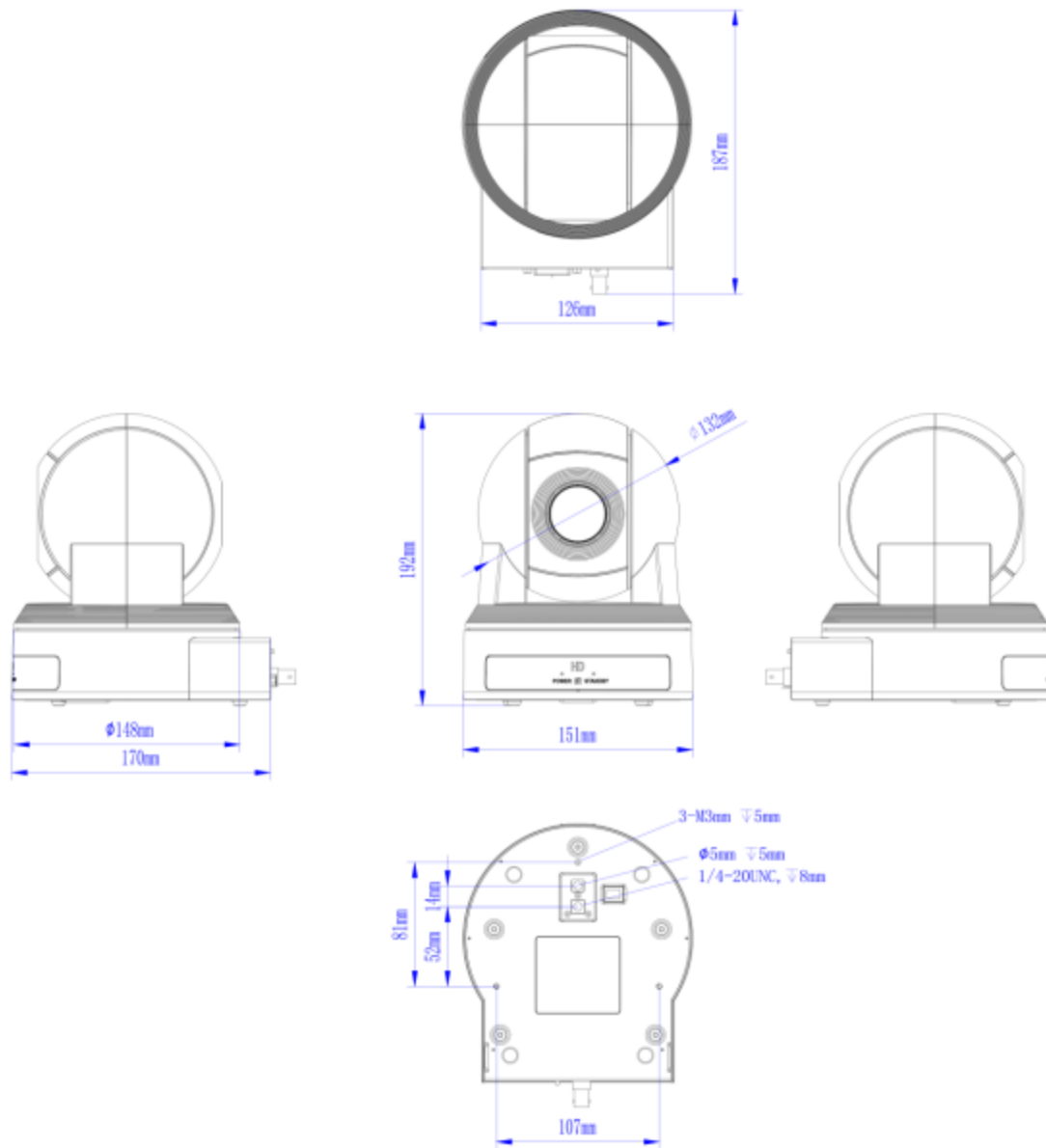
Specifications

Image Parameters	
Resolution	HDMI: 4K30/25, 1080p60/59.94/50/30/29.97/25, 720p60/50 SDI: 1080p60/59.94/50/30/29.97/25, 1080i60/59.94/50, 720p60/50
Image Sensor	SONY 1/2.8" CMOS
Pixels	8.50 Megapixels, 8.29 Effective Megapixels
Scan Mode	Line by line
Lens	12X Optical Zoom, f=3.9mm(W)~46.8mm(T),F1.6~F2.8
Digital Zoom	16X
Horizontal View Angle	72.5°(W)~6.5°(T)
Vertical View Angle	40.2°(W)~4.3°(T)
Focus System	Auto, Manual
Shutter Speed	1/25s ~ 1/10000s
Minimum Illumination	0.1 Lux @ (F1.6, AGC ON)
Exposure	Auto, Manual, Iris Priority, Shutter Priority, Brightness priority
White Balance	Auto, Indoor, Outdoor, Keying, Auto Tracking, Manual
Backlight Compensation	Support
Digital Noise Reduction	2D&3D Digital noise reduction
S/N Ratio	≥50dB
Pan/Tilt	

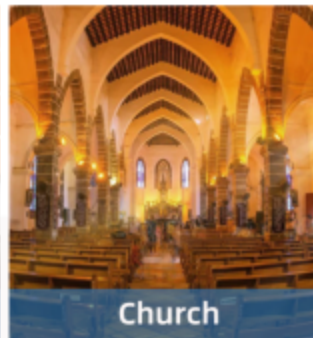
Pan Angle	355°
Tilt Angle	-30°~+90°
Pan Speed	1°~80°/s
Tilt Speed	1°~60°/s
Preset Positions	9 preset positions by IR remote controller, 255 preset positions by joystick controller or PC
Preset Accuracy	0.1°±10%
Flip	Support
Image Freeze	Support
POE	802.3af
AI	
AI Tracking	Support
Auto Framing	Support
Tracking Size	Support
Tracking Sensitivity	Support
AI Guard Position	Support
USB	
Protocol	UVC 1.1
Operating System	Window7 and above, MacOS, Linux, Android
Video Compression	YUY2, MJPEG
Resolution	1920*1080, 1280*720, 960*540, 800*600, 720*576, 720*480, 640*480, 640*360, 352*288, 320*240 (USB defaults to 4K is optional)
Frame Rate	Max.30
UVC Control	Support
LAN	
Protocol	TCP/IP, HTTP, RTSP, RTMP, RTMPS, SRT, Onvif, DHCP, VISCA Over IP, NDI@HX2 (Optional)
Video Compression	H.264, H.265
Code Stream	Main code stream*1, Sub code stream*1
Main Stream Resolution	3840*2160, 1920*1080
Sub Stream Resolution	640*480, 640*360, 352*288, 320*240, 176*144
Bitrate Control	VBR, CBR
Audio	
Audio Compression	AAC
Audio Bit Rate	128kbps
Interface	
HDMI Interface	1 Line, HDMI: Version 1.4
SDI Interface	1 Line, 3G-SDI
USB Interface	1 Line, USB3.0, Type-B Socket
Network Interface	1 Line, RJ45: 10M/100M adaptive Ethernet port
Audio Interface	1 Line, Line In, 3.5mm

Serial Interface	1 Line, RS232 IN/Out: 8-Pin Mini Din, up to 30 meters, VISCA/Pelco-D/Pelco-P Protocol. 1 Line, RS422/485: 9-Core Phoenix Interface, up to 1200 meters, VISCA/Pelco-D/Pelco-P Protocol.
Power Interface	JEITA RC-5320A Type 4
General Specifications	
Input Voltage	DC 12V
Input Current	Max. 1.0A
Power Consumption	Max. 12W
Operating Temperature	0~40℃
Storage Temperature	-10~60℃
Color	Black, White (Optional)
Dimension	(W)151*(D)187*(H)192mm
Weight	1.3kg
Accessories	DC 12V power adapter, IR Remote, User manual, USB3.0 Cable, RS-232C Cable, Ceiling bracket, Wall bracket(Optional)

Dimension



Application scenarios



Connection

