

KT-UH86DH(NDI Version: KT-UH86DHN)

4K Ultra HD Camera

4K UHD 30FPS

HDMI+USB3.0+LAN+SDI

Tally

NDI®|HX2 Optional

20X Optical Zoom

POE

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.

■ 20x Optical Zoom:

Applies high quality 8.50 megapixels 4K ultra wide-angle lens, 20x optical zoom, 16x digital zoom.

■ Abundant Outputs for Rich Application Scenarios:

Supports HDMI, 3G-SDI, USB3.0, LAN output in sync, LAN supports POE(Optional).

Default version: Supports HDMI+LAN 4K synchronous output, USB3.0+SDI HD 1080 output.

Optional version: Supports HDMI+USB3.0 4K synchronous output, LAN+SDI HD 1080 output.

■ 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.

■ IR Pass-through:

In addition to receiving signals from its dedicated remote control, it can also receive signals from users' infrared remote controls and transmit them to the video conferencing terminal through the VISCA IN port.

■ Multiple Video Compression Standards:

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

■ Multiple Network Protocols:

Supports ONVIF, SRT, RTSP, RTMP, RTMPS and NDI®/HX2 (optional) protocols.

■ Multiple Control Protocols:

Support VISCA (VISCA Over IP), PELCO P/D, NDI® (optional) protocol, and automatically identifies protocols.

■ Front Tally Display:

Supports tally status display, broadcast-level application scenarios.

■ Multi-installation Methods:

Wall mounting, desktop or ceiling mounting.

■ New generation AI human tracking algorithm:

Supports AI tracking and Auto framing functions.

(*Note: Note: With AI intelligent tracking and automatic framing enabled, USB3.0 supports 4K30 resolution output, HDMI+IP supports 1080p60 resolution output, and 3G-SDI has no video output. All three interfaces can output simultaneously.)

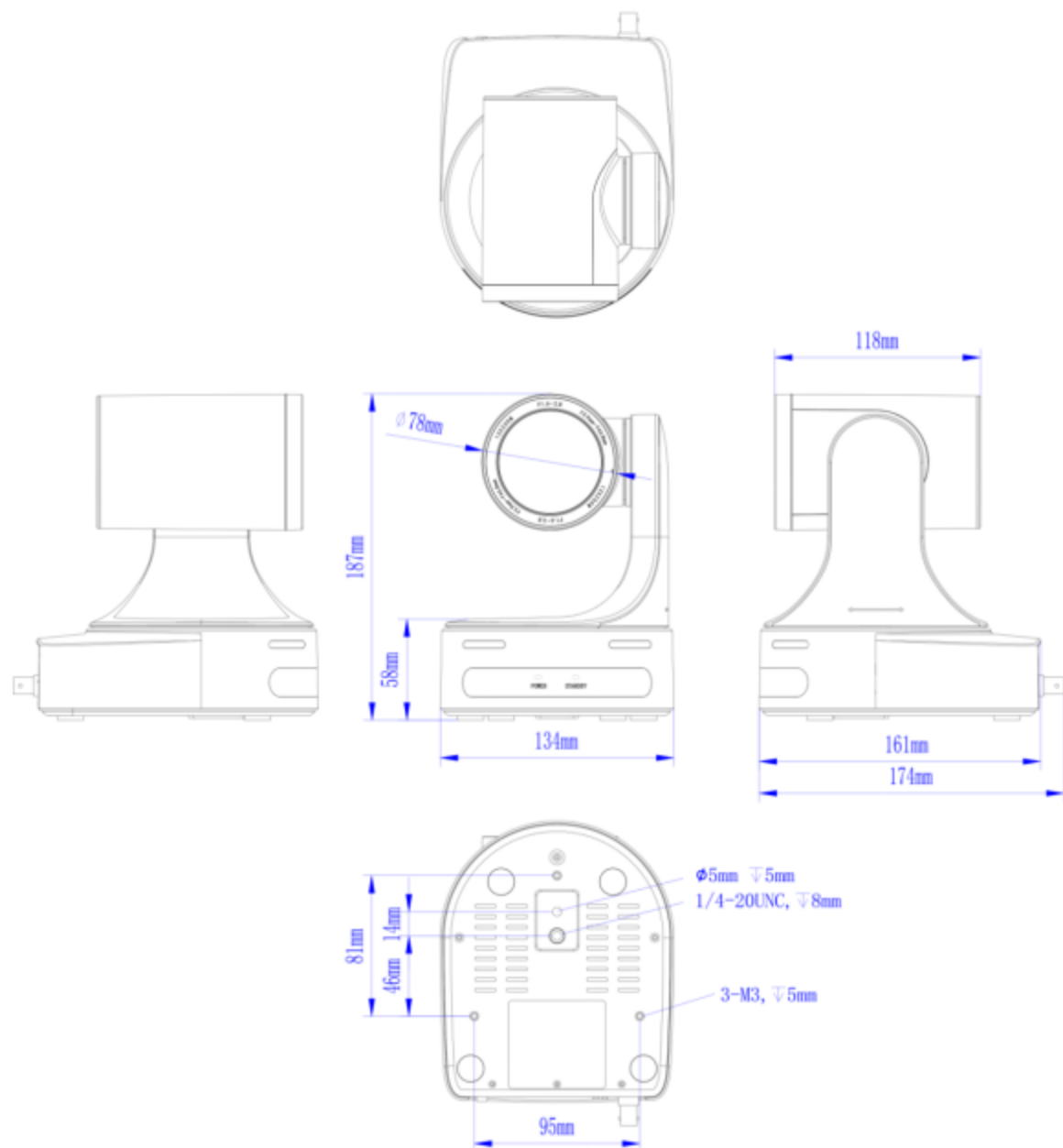
Specifications

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, 720p60/50
Image Sensor	SONY 1/2.8" CMOS
Pixels	8.50 Megapixels, 8.29 Effective Megapixels
Scan Mode	Line by line
Lens	20X Optical Zoom, f=5.2m(W)~104mm(T), F1.55~F3.13
Digital Zoom	16X
Horizontal View Angle	58.7°(W)~3.2°(T)
Vertical View Angle	32.2°(W)~1.8°(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

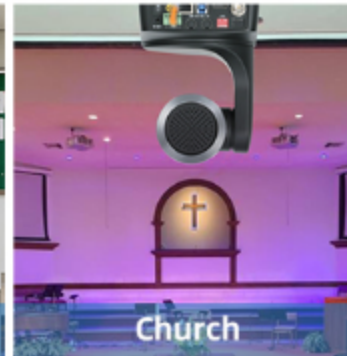
Pan/Tilt	
Pan Angle	355°
Tilt Angle	-30°~+90°
Pan Speed	1°~80°/s
Tilt Speed	1°~60°/s
Preset Positions	9 preset positions by IR remote controller, 255 preset positions by joystick controller or PC
Preset Accuracy	0.1°±10%
Flip	Support
Image Freeze	Support
POE	802.3af
AI	
AI Tracking	Support
Auto Framing	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: 5-Core Phoenix Interface, up to 1200 meters, VISCA/Pelco-D/Pelco-P Protocol.
Power Interface	JEITA RC-5320A Type 4
General Specifications	
Tally Light	Support
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)134*(D)174*(H)187mm
Weight	1.2kg
Accessories	DC 12V power adapter, IR Remote, User manual, USB3.0 Cable, RS-232C Cable, Ceiling bracket, Wall bracket(Optional)

Dimension



Application scenarios



Connection

