KT-UH71DT(NDI Version:KT-UH71DTN)

4K60P 25X Professional PTZ Camera

| 4K60 | | 25X Optical Zoom | | USB3.0+HDMI+LAN+3G-SDI | | Free D |

| NDI®|HX3 Optional | | AI Tracking+Auto Framing | | Gesture Recognition |

Features

■ 4K Ultra HD Output:

Using a new generation of SONY 1/1.8-inch high-quality CMOS, it can achieve maximum 4K60 ultra-high-definition resolution broadcast and image output, and record larger scenes.

■25X Optical Zoom Lens:

Equipped with a 25x ultra-high-definition optical lens and supporting the mainstream horizontal viewing angle of 59.2°, it can meet the needs of more scenes such as video conferencing in large auditoriums and blackboard writing in lecture theaters to restore true details.

■USB3.0+HDMI+LAN+SDI Full interfaces, Rich Application Scenarios:

Compatible with all mainstream video output interfaces, HDMI+USB3.0 Type-B+LAN can simultaneously output 4K60 resolution, while 3G-SDI outputs 1080p60 resolution.

■Low Light:

The new ultra-high signal-to-noise ratio CMOS image sensor can effectively reduce image noise under low-light conditions. At the same time, 2D & 3D digital noise reduction is applied to significantly reduce image noise. Even under ultra-low light conditions, the image can still be kept clean and clear, and the image signal-to-noise ratio is higher than 50dB.

■Infrared Remote Control Signal Transparent Transmission Function:

In addition to receiving its own infrared remote control signals, it can also receive signals from user's infrared remote control and send them to the video conferencing terminal through the VISCA port.

■Multiple Video Compression Standards:

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

■Multiple Network Protocols

Supports ONVIF, SRT, RTSP, RTMP, FreeD, NDI®|HX2, NDI®|HX3(optional) and other network protocols.

■Multiple Control Protocols

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

■Built-in OLED Display

Real-time display of camera IP address and HDMI output resolution.

■Next-generation human and facial recognition tracking algorithm

Supports intelligent tracking, automatic framing, and gesture recognition functions. It enables control through five types of gestures, such as activating/deactivating intelligent tracking and automatic framing, switching tracked targets using gestures, customizing tracking sizes, and zooming in/out the lens through gesture control.
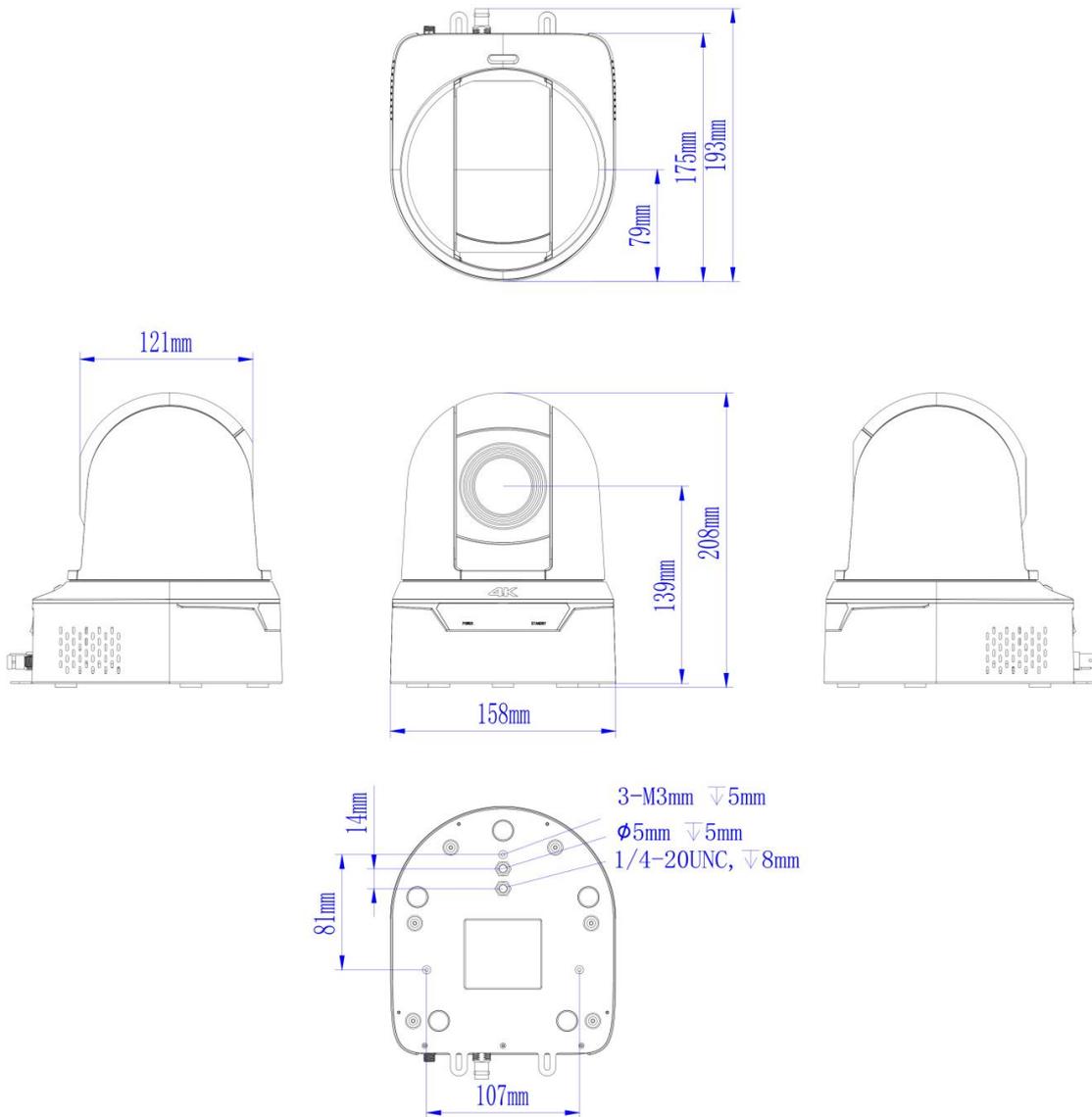
Specifications

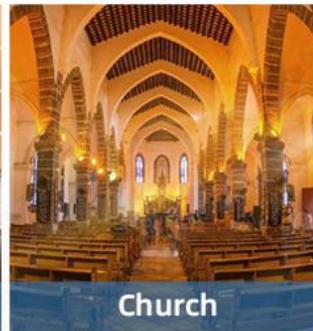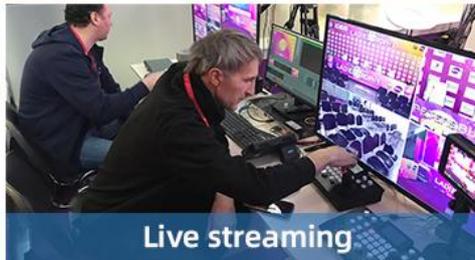| Image Parameters	
Resolution	HDMI: 4K60/59.94/50/30/29.97/25, 1080p60/59.94/50/30/29.97/25, 1080i60/59.94/50,720p60/50 3G-SDI: 1080p60/59.94/50/30/29.97/25, 1080i60/59.94/50, 720p60/50
Image Sensor	SONY 1/1.8" CMOS
Pixels	8.50 Megapixels, 8.29 Effective Megapixels
Scan Mode	Line by line
Lens	25X Optical Zoom, f=7.1(W)~171.95mm(T), F1.61~F5.19
Digital Zoom	16X
Horizontal View Angle	59.2°(W)~2.5°(T)
Vertical View Angle	34.6°(W)~1.4°(T)
Focus System	Auto, Manual
Shutter Speed	1/50s ~ 1/10000s
Minimum Illumination	0.1Lux
Exposure	Auto, Manual, Iris Priority, Shutter Priority, Brightness priority
White Balance	Auto, Indoor, Outdoor, Keying, Auto Tracking
Backlight Compensation	Support
Digital Noise Reduction	2D&3D Digital noise reduction
S/N Ratio	≥50dB
Pan/Tilt	
Pan Angle	-171°~+171°
Tilt Angle	-30°~+90°
Pan Speed	0.1°/S~120°/S

Tilt Speed	0.1°/S~120°/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+	Support, 802.3at
AI	
Humanoid Tracking	Support
Auto Framing	Support
Gesture Control	Support
USB	
Protocol	UVC 1.1, UAC1.0
Operating System	Window7 and above, MacOS, Linux, Android
Video Compression	YUY2, MJPEG
Resolution	MJPEG: 3840*2160, 2560*1440, 1920*1080, 1280*720, 960*540, 800*600, 720*576, 720*480, 640*480, 640*360, 352*288, 320*240 YUY2: 1920*1080, 1280*720, 960*540, 800*600, 720*576, 720*480, 640*480, 640*360, 352*288, 320*240
Frame Rate	Max.60
UVC Control	Support
LAN	
Protocol	TCP/IP, HTTP, RTSP, RTMP, RTMPS, SRT, Onvif, DHCP, VISCA Over IP, NDI®HX2 (Optional), NDI®HX3 (Optional), FreeD
Video Compression	H.264, H.265
Code Stream	Main code stream*1, Sub code stream*1
Main Stream Resolution	3840*2160, 1920*1080, 1280*720
Sub Stream Resolution	640*480, 640*360, 352*288, 320*240, 176*144
Bitrate Control	VBR, CBR
Audio	
Audio Compression	AAC
Sampling Rate	48K, 44.1K
Interface	
HDMI Interface	1 Line, HDMI: Version 2.0
SDI Interface	1 Line, 3G-SDI
USB Interface	1 Line, USB3.0, Type-B Socket
Network Interface	1 Line, RJ45: 1000M 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	IEC 60130-10 Type A

General Specifications	
Tally Light	Support
Input Voltage	DC 12V
Input Current	Max.1.3A
Power Consumption	Max.15.6W
Operating Temperature	0~40℃
Storage Temperature	-10~60℃
Color	Black, White (Optional)
Dimension	(W)158*(D)193*(H)208mm
Weight	2.0kg
Accessories	DC 12V power adapter, IR Remote, User manual, HDMI Cable, USB3.0 Cable, RS-232C Cable, Ceiling bracket, Wall bracket(Optional)

Dimension

Application scenarios

Video conference

Tele-medicine

Live streaming

Education

Church

Government Projects

Live streaming

Online class

Video calling

Video conference

Connection

Camera 1, 2, 3....

Lan

Camera Control
(KT-KC20N)

Video Switcher
(KT-KD30)

Video Output

TV / Projection