

KT-UH86DHN

4K Ultra HD camera

4K UHD 30FPS

HDMI+USB3.0+LAN+SDI

Tally

NDI|HX2



Features

■ 4K Ultra HD Resolution:

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

■ Abundant Outputs:

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

■ Ultra High Frame Rate:

Support HDMI, USB3.0 video output frame rate can reach 4K 30fps,

■ 58.7° Wide Angle+16x digital zoom:

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

■ Multiple video compression standards:

Different interfaces support YUY2, H265, MJPG, H264 multiple video compression formats.

■ Multiple network protocols:

Supports ONVIF, SRT, RTSP, RTMP and NDI|HX2 protocols.

■ Multiple Control Protocols:

Support VISCA, PELCO P/D protocol, support automatic identification protocol.

■ Front tally display:

Support tally status display, broadcast-level application scenarios.

Specifications

Camera	
Lens	20X optical zoom, f=5.2mm(w)~104mm(f)
Image Sensor	SONY Progressive 4K CMOS
Effective Pixels	8.50 Megapixels
Digital Zoom	16X digital zoom
Scan Mode	Line by line
Horizontal View Angle	58.7°(W)~3.2°(T)
Vertical View Angle	33°(W)~1.8°(T)
Iris	F1.6~F2.8
Minimum Illumination	0.5 Lux @ (F1.8, AGC ON)
Shutter Speed	1/25s~1/10000s
Focus System	Auto/Manual
S/N Ratio	≥55dB
Exposure	Auto, Manual, Iris Priority, Shutter Priority
White Balance	Auto, Indoor, Outdoor
Backlight Compensation	Support
Digital Noise Reduction	2D&3D Digital noise reduction
Wide Dynamic Range	Support
Special Effect	Normal, black and white
Image Freeze	Support
Mirror	Support
Electronic Flip	Support
Automatic Upright/Flip Recognition	Support
Audio and video interface	
Digital Output	HDMI1.4 HDMI color mode: RGB, YCbCr422, YCbCr444 Video Resolution: 3840*2160p30/25 , 1920*1080p60/59.94/50/30/29.97/25, 1280*720p60/50 3G-SDI: 1920*1080 p60/59.94/50/30/29.97/25, i60/50/59.94 1280*720 p60/50
LAN	Supports Multiple Code Streams; Encoding Format: H.264, H.265, MJPEG Profile: Main, High, Baseline(H.264) Streaming Protocol: RTMP, RTSP, ONVIF, SRT, NDI HX2 Main Code Stream Resolution:1080 p30/25/20/15/10 Auxiliary Code Stream Resolution:480, 360, 288, 240, 144 (p30/25/20/15/10) MJPEG Resolution:1080, 720

USB	Protocol: UVC1.1, UAC1.0 Operating System: Window7 and above, MacOS10.10 and above, Ubuntu16.04 and above or systems compatible with V4L2-driven UVC Video Coding Format: YUY2, MJPEG MJPEG: 3840x2160, 2560x1440, 1920x1080, 1280x720, 800x600, 720x576, 640x480, 480*272, 352*288, 320x240, 320x180 YUY2: 320x180, 320x240, 352*288, 480*272, 640x480, 720x576, 800x600, 1280x720, 1920x1080 UVC Video Frame Rate: Max.60 UAC Audio Coding Format: PCM
Audio In	Unbalanced analog input (Line In) 3.5mm Sampling rate: 44.1K, 48K Encoding format: AAC
Pan/Tilt	
Pan Range	355° (max.speed:80° /s)
Tilt Range	-30° ~+90°
Pan Speed	0.1° /S~90° /S
Tilt Speed	0.1° /S~90° /S
Pan Positioning Accuracy	0.1° ±10%
Tilt Positioning Accuracy	0.1° ±10%
Preset Speed	7 Levels
Preset Position Numbers	255
Control	
Control Mode	IP, RS-232 (RJ45) , RS-422/485 In (RJ45) , IR Remote, 2.4G Wireless(Optional)
Network Control Protocol	ONVIF, VISCA Over IP, NDI HX2
Serial Control Protocol	VISCA, Pelco D, Pelco P
Power Supply	
Input Voltage	DC 12V IEC60130-10 (JEITA Standard RC-5320A) TYPE4
Input Current	Max.1.0A
POE	802.3af(Optional)
Power Consumption	Max.12W
Others	
Tally	Support serial port VISCA protocol trigger and NDI protocol connection trigger
Operational Environment	Indoor
Operational Temperature	-10-40℃
Storage Temperature	-20-60℃
Camera Dimensions	(L)161×(W)133.6×(H)181mm
Color	Black
Weight	1200g
Accessories	DC 12V power adapter, IR Remote, Operation manual, RS-232C Cable, HDMI Cable, USB Cable, Ceiling bracket (Wall bracket optional)

