

# KT-UH40VQ

4K Ultra HD camera

USB3.0

Intelligent Tracking + Gesture Recognition

4K 30fps

YUY2/MJPEG/H.264/H.265



## Features

### ■ 4K Ultra HD Resolution:

Apply a new generation of SONY 1/2.8-inch COMS high-quality 4K sensor, which can achieve high-quality images with a maximum resolution of 3840\*2160.

### ■ 10x Optical Zoom:

Support 10x optical zoom + 3X digital zoom.

### ■ Next-generation intelligent algorithm humanoid tracking + AutoFraming intelligent framing:

Supports the next-generation intelligent humanoid tracking algorithm + intelligent gesture recognition, allowing for 3 types of gestures to initiate intelligent tracking, intelligent framing, and deactivating the intelligent functions.

\* Auto Framing is limited to non-4K resolution.

### ■ USB 3.0 Interface:

Support ultra-high-definition 4K resolution 10 times video output, support full HD resolution 20 times video output, support high-definition resolution 30 times video output.

\*YUY2 supports full HD 10 times, ultra high definition 20 times video output.

### ■ USB2.0 Type B Expansion Port:

Can be connected to USB external devices such as omnidirectional microphones to expand the usage scenarios of the product.

### ■ Multiple Control Protocols:

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

### ■ Multiple Encoding Formats:

Support YUY2, MJPEG, H.264, H.265 encoding format, reduce the host encoding and decoding pressure.

### ■ 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.

### ■ Various Installation Methods:

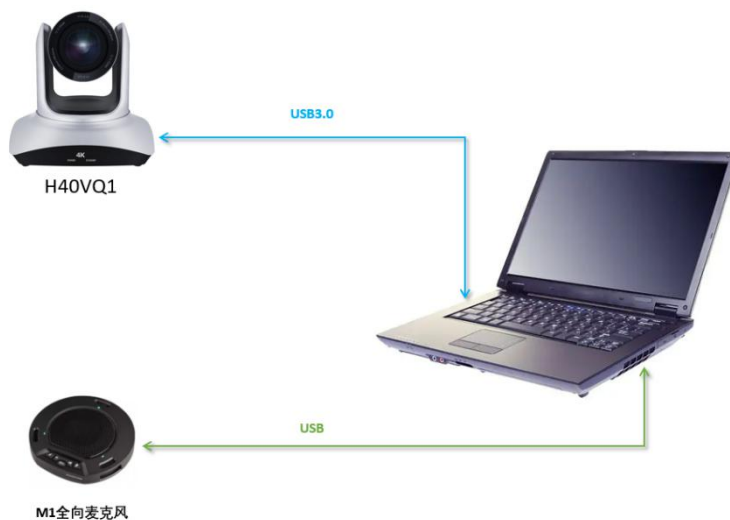
A variety of installation methods, desktop, ceiling and wall installation.

## Specifications

Camera	
Resolution	3840*2160,1920*1080,1280*720,960*540,800*600,720*576,720*480,640*480,640*360,352*288,320*240
Image Sensor	SONY 1/2.8 Progressive CMOS
Lens	f=5.15mm(w)~51.5mm(f)
Scan Mode	Line by line
Horizontal View Angle	61.5°(W) ~7.0°(T)
Vertical View Angle	35.0°(W) ~ 3.97°(T)
Minimum Illumination	1.5 Lux
Shutter Speed	1/25s~1/10000s
Focus System	Auto/Manual
S/N Ratio	≥50dB
White Balance	Auto/Manual
Backlight Compensation	Support
Digital Noise Reduction	2D&3D Digital noise reduction
Horizontal rotation range	± 170°
Vertical rotation range	-30°~ +90°
Horizontal rotation speed range	1° ~ 90°/s
Vertical rotation speed range	1°~ 90°/s
Electronic Flip	Support
Numbers of Preset Position	10 preset positions by IR remote controller, 200 preset positions by joystick controller

Accuracy of Preset Position	0.1°±10%
<b>USB Features</b>	
Protocol	UVC1.1
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 and so on
UVC Video Frame Rate	Max.30
UVC PTZ Control	Support
<b>Interface</b>	
USB Port	1 Line, USB 3.0, Type-A Socket
Control Mode	1 Line, RS232 IN: 8 Pin Mini Din, up to 30 meters, VISCA/Pelco-D/Pelco-P Protocol 1 Line, RS422/485 IN/OUT: Three-core Phoenix Interface, up to 1200 meters, VISCA/Pelco-D/Pelco-P Protocol
Power Interface	DC 12V IEC60130-10(JEITA Standard RC-5320A) TYPE4
<b>Others</b>	
Input Voltage	DC 12V
Input Current	Max.700mA
Power Consumption	Max.8.4W
Operational Temperature	0-40℃
Storage Temperature	-10-60℃
Camera Dimensions	(L)180.4×(W)179.9×(H)171.3mm
Color	Silver
Weight	1200g
Accessories	DC 12V power adapter, IR Remote, Operation manual, USB Cable, Ceiling bracket (Wall bracket optional)

**Connection Diagram:**



### Dimensional diagram

