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HDKATOV

20 Years Professional Manufacturer of Video Cameras

USB PTZ CAMERA

KT-HW40UM Fixed-Focus USB HD Camera
KT-HW40UW 3X USB HD Camera
KT-HW40US 10X USB HD Camera

1080P
Full HDWIFI 6
DUAL-BANDYUY2/MJPEG
H.264/H.265

USB2.0

IMAGE
UPGRADE

FEATURES



1080P Full HD video output:

HW40UM and HW40UW utilize a next-generation 1/3-inch high-quality COMS sensor; HW40US employs a next-generation 1/2.8-inch high-quality CMOS sensor; Both can achieve premium images with a maximum resolution of 1920*1080.

The industry's first WIFI 6 technology wireless transmission camera:

It is the first time to adopt the wireless transmission technology of WIFI 6. Compared with the current common application of WIFI 5, it has the characteristics of greater bandwidth, suitable for more terminals, strong anti-interference, lower power consumption, wider coverage and higher protection, transmission Speed is increased by 40%.

Wireless WIFI 6 supports 4K picture output:

External dual-band WiFi 6 USB3.0 dongle (optional), supports H40U series upgrade up to 4K effect, including higher picture quality mode and longer transmission distance mode, can be applied to different modes according to the use environment, the longest transmission distance in distance mode up to 50 meters (no shelter), The best transmission distance in picture quality mode is within 10-15 meters.

* The maximum theoretical speed of wifi 6 can reach 9.6Gps, which is nearly 3 times that of wifi 5, and the signal stability is further improved.

Wireless camera one-to-two cascading function:

The newly upgraded WiFi 6 also enables wireless cascading of two cameras using a single WiFi dongle. Through a USB3.0 wireless dongle, it outputs separate video signals from two cameras, allowing for a streamlined connection that delivers an industry-innovative multi-camera experience.

*The one-to-two function cannot achieve 4K video output.

A variety of drawing mode to be choose:

Wired and wireless drawing mode can be selected according to the needs.

Supports an external USB type a expansion interface:

USB Type A expansion port can be used according to the needs, and external products such as microphones can be installed to further increase product application scenarios.

USB 2.0 interface:

Support full HD 1080p video output.

Remote control:

Using RS232 and RS422/485 serial ports, it can cascade control multiple cameras.

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 50dB.

Multiple encoding formats:

USB 2.0 supports YUY2, MJPEG, H265, and H264 encoding formats, reducing the pressure on host encoding and decoding.

Multiple Control Protocols:

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

Multi-installation Methods:

Wall mounting, desktop or ceiling mounting.

SPECIFICATIONS

Image Parameters

Resolution	USB: 1920*1080, 1280*720, 960*540, 800*600, 720*576, 720*480, 640*480, 640*360, 352*288, 320*240 WIFI: 3840*2160, 1920*1080, 1280*720, 960*540, 800*600, 720*576, 720*480, 640*480, 640*360, 352*288, 320*240
Image Sensor	HW40UM: SONY 1/3" CMOS HW40UW: SONY 1/2.8" CMOS HW40US: SONY 1/2.8" CMOS
Pixels	HW40UM/UW: 2.19 Effective Megapixels HW40US: 2.10 Effective Megapixels
Scan Mode	Line by line
Lens	HW40UM: Fixed Focus Lens, f=2.26mm HW40UW: 3X Optical Zoom, f=3.35mm(W)~10.05mm(T) HW40US: 10X Optical Zoom, f=4.7mm(W)~47.0 mm(T)
Horizontal View Angle	HW40UM: 108° HW40UW: 99.6°(W)~30.6°(T) HW40US: 60.9°(W)~6.43°(T)
Vertical View Angle	HW40UM: 61° HW40UW: 56°(W)~17.2°(T) HW40US: 34.3°(W)~3.6°(T)
Focus System	HW40UM: Manual HW40UW/US: Auto, Manual
Shutter Speed	1/25s ~ 1/10000s
Minimum Illumination	HW40UM: 1.5 Lux HW40UW: 1.5 Lux HW40US: 0.1 Lux
Exposure	Auto, Manual
White Balance	Auto, Manual
Backlight Compensation	Support
Digital Noise Reduction	2D&3D Digital noise reduction
S/N Ratio	≥50dB

Pan/Tilt

Pan Angle	±170°
Tilt Angle	-30°~+90°
Pan Speed	1°~60°/s
Tilt Speed	1°~60°/s
Preset Positions	9 preset positions by IR remote controller, 200 preset positions by joystick controller or PC
Preset Accuracy	0.1°±10%
Flip	Support

USB

Protocol	UVC 1.1
Operating System	Window7 and above, MacOS, Linux, Android
Video Compression	YUY2, MJPEG, H.264
Frame Rate	Max.30
UVC Control	Support



Interface

USB Interface	1 Line, USB3.0, Type-A Socket 1 Line, USB2.0 extension in, Type-A Socket
Serial Interface	1 Line, RS232 IN: 8-Pin Mini Din, up to 30 meters, VISCA/Pelco-D/Pelco-P Protocol. 1 Line, RS422/485: 3-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.0.7A
Power Consumption	Max.8W
Operating Temperature	0~40°C
Storage Temperature	-10~60°C
Color	Silver
Dimensions	(L)181*(W)181*(H)176mm
Weight	1.2kg
Accessories	DC 12V power adapter, IR Remote, User manual, USB2.0 Cable, Ceiling bracket, Wall bracket(Optional)