

DHI-PKP-UC10A

USB Camera



Series Overview

The PTZ Camera performs outstandingly with its comprehensive functions and multiple ports. Utilizing advanced ISP processing technology and cutting-edge algorithms, it delivers visuals of exceptional quality with consistent brightness and vibrant colors. It also has remarkable clarity and accurate color reproduction, making it ideal for use in conferences, education, healthcare, government affairs, cloud videos, collaborative office, multimedia integration, emergency command and more.

Functions

- **High-Quality Image Sensor:** The camera employs a high-quality image sensor capable of outputting a resolution up to 1920×1080 , with a frame rate as high as 30 frames per second.
- **Optical Zoom Lens:** It features an optical zoom lens with a 10x zoom capacity, enabling you to view your scene from various angles.
- **Advanced Auto-Focus Technology:** Utilizing advanced focusing algorithms, the lens achieves quick, accurate, and stable auto-focus functionality.
- **Low Noise and High Signal-to-Noise Ratio:** The low-noise CMOS sensor ensures a high signal-to-noise ratio in the video output. Advanced 2D and 3D noise reduction technologies are implemented to further minimize noise while maintaining image clarity.
- **Control Ports:** Includes both RS485 and RS232 ports. Cascading can be performed through RS232, facilitating installation and engineering projects.
- **Multiple Control Protocols:** Supports the VISCA, PELCO-D, and PELCO-P protocols, and features automatic protocol recognition.
- **Quiet PTZ:** It comes equipped with high-precision stepper motors and a precise motor drive controller, ensuring smooth operation of the pan and tilt mechanism without generating any noise.
- **Multiple Presets:** Supports up to 255 preset positions, 10 of which can be accessed through the remote control.

Technical Specification

Device Lens	
Image Sensor	2 MP CMOS sensor
Max. Resolution	1920 (H) × 1080 (V)
Video Frame Rate	H264/MJPEG: 1920×1080p@30/25/20/15/10/5 fps; 1280×720p@30/25/20/15/10/5 fps; 960×540@30/25/20/15/10/5 fps; 800×600@30/25/20/15/10/5 fps; 720×576@30/25/20/15/10/5 fps; 720×480@30/25/20/15/10/5 fps; 640×480@30/25/20/15/10/5 fps; 640×360@30/25/20/15/10/5 fps; 352×288@30/25/20/15/10/5 fps; 320×240@30/25/20/15/10/5 fps; YUY2: 1920×1080P@5 fps; 1280×720@10/5 fps; 1024×576@15/10/5 fps; 800×600@20/15/10/5 fps; 800×448@25/20/15/10/5 fps; 640×480@30/25/20/15/10/5 fps; 640×360@30/25/20/15/10/5 fps; 480×270@30/25/20/15/10/5 fps; 320×180@30/25/20/15/10/5 fps; NV12: 1280×720@10/5 fps; 1024×576@15/10/5 fps; 800×600@20/15/10/5 fps; 800×448@25/20/15/10/5 fps; 640×480@30/25/20/15/10/5 fps; 640×360@30/25/20/15/10/5 fps; 480×270@30/25/20/15/10/5 fps; 320×180@30/25/20/15/10/5 fps;
Field of View	Horizontal angle: 8.8° (narrow angle)–66°(wide angle) Vertical angle: 8.8° (narrow angle)–66°(wide angle)
Focal Length	f=4.34mm–41.66mm
Digital Zoom	10X
Min. Illumination	0.5 lux (F1.8, AGC ON)
Aperture	F1.85–F2.43
Lens Type	Automatic/manual/one-click focus

Function	
Noise Reduction	2D and 3D digital noise reduction
White Balance	Automatic/manual/one-click WB/specified color temperature (2400K–7100K)
Exposure	Automatic and manual
BLC	On/off
Image Adjustment	Brightness, hue, saturation, contrast, sharpness, black-white mode, gamma ray curve
S/N Ratio	> 50 dB
Video Compression	YUY2/NV12/MJPEG/H.264
USB Video Communication Protocol	UVC

Port	
Video Output Port	1-channel USB 2.0 port: Type A
Control Port	RS 232
Protocol	VISCA/Pelco-D/Pelco-P

Power	HEC3800 power socket (VDC 12)
PTZ	
PTZ Pan/Tilt	Horizontal angle: –170°→+170° Pitch angle: –30°→+30°
PTZ Speed	Horizontal angle speed control: 0.1°–60° per second Pitch angle speed control: 0.1°–40° per second
PTZ Presets	The user can set up to 255 preset positions (with 10 preset positions accessible via the remote control)

General	
Operating Voltage	12 V
Operating Current	0.42 A (max)
Power Consumption	5 W (max)

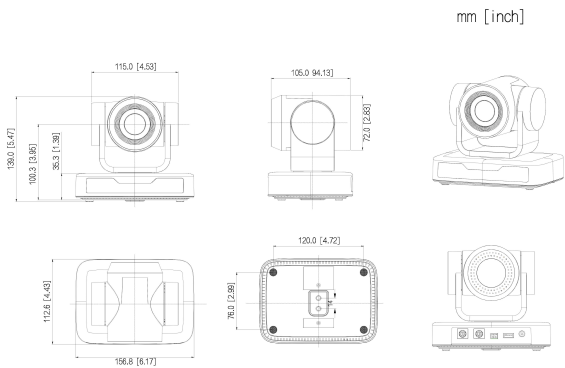
Environment	
Operating Temperature	–10 °C to +50 °C (–14 °F to +122 °F)
Operating Humidity	20%–80% (RH)
Storage Temperature	–10 °C to +60 °C (–14 °F to +140 °F)
Storage Humidity	20%–80% (RH)
Operating Environment	Indoor

Size and Weight	
Product Dimensions	156.8 mm × 112.6 mm × 139.0 mm (6.17" × 4.43" × 5.47") (L × W × H)
Packaging Dimensions	320.0 mm × 240.0 mm × 180.0 mm (12.60" × 9.45" × 7.09") (L × W × H)
Weight	1.0 kg (2.20 lb)

Packing List	
Packing List	1 camera, power adapter, remote control, USB 2.0 video cable, users' manual, warranty card, packing list.

Ordering Information		
Type	Model	Description
VIDEO CONFERENCING CAMERA	DHI-PKP-UC10A	USB Camera

Dimensions (mm[inch])



Panels

