



## USB PTZ Camera

# Full HD Video Conferencing PTZ Camera



Designed for corporate business negotiations, personal office use, teaching recordings, and more, features a 1/2.8-inch HD CMOS image sensor and a 10x optical zoom lens with 58.5° FoV, which delivers clear meeting scenes.



## Features

- ▼ 1080P Full HD**  
 Utilizing an HD CMOS sensor with 2.07 million pixels, achieving a maximum resolution of 1920x1080.
- ▼ 10x Optical Zoom**  
 The lens supports 10x optical zoom with a focal length of f=4.7mm to 46.3mm, delivering clear close-up shots of the meeting venue.
- ▼ PTZ**  
 The built-in self-developed PTZ achieves a ±170° horizontal rotation and rotation speed range from 2.7° to 47° /s. The vertical rotation range is from -30° to 90°, with a rotation speed range from 3.4° to 30° /s.
- ▼ Remote Control**  
 Supports remote control of the camera through the RS232 serial port.

- ▼ H.264 Slice / H.264 SVC Encoding Support<sup>1</sup>**  
 The H.264 streaming output supports both Slice and SVC encoding modes, making it suitable for high-end USB conference video applications.
  - ▼ Dual-Stream<sup>1</sup>**  
 Simultaneously supports the output of two streams (YUY2, MJPEG, H.264), reducing the decoding of the host.
  - ▼ Flexible Installation**  
 Supports horizontal and vertical flipping, the camera can be installed upright, suspended, or ceiling-mounted, depending on the specific needs of the venue.
- Note:  
1.This feature is optional.

## Product Specification

### ▼ Camera Spec

|                         |   |
|-------------------------|---|
| Signal System           | 1080P, 720P, 540P, 480P, 360P, 240P                 |
| Sensor                  | 1/2.8 inches, CMOS, Effective Pixels: 2.07 Megapixe |
| Scanning Mode           | Progressive   |
| Lens                    | 10x, f4.7mm~46.3mm, F1.8-F2.8                       |
| Minimum Illumination    | 0.5Lux @ (F1.8, AGC ON)                             |
| Shutter                 | 1/30s ~ 1/10000s                                    |
| White Balance           | Auto, Indoor, Outdoor, One Push, Manual, VAR        |
| Backlight Compensation  | Support   |
| Digital Noise Reduction | 2D&3D Digital Noise Reduction                       |
| SNR                     | ≥ 55dB  |
| Horizontal FOV          | 58.5° ~ 6.5°  |
| Vertical FOV            | 35.1° ~ 3.6°  |
| Pan Angle               | ±170°   |
| Tilt Angle              | -30° ~ +90°   |
| Pan Speed               | 2.7° ~ 47° /s                                       |
| Tilt Speed              | 3.4° ~ 30° /s                                       |
| Image Flip              | Support   |
| Image Freeze            | Support   |
| Preset Position         | 255   |
| Preset Accuracy         | 0.1°  |

### ▼ I/O

|                   |   |
|-------------------|---|
| USB Interface     | 1 x USB 2.0, Type-B   |
| Control Interface | 1 x RS232 IN: 8pin Mini DIN, Max Distance: 30m, Protocol: VISCA / Pelco-D / Pelco-P |
| Power Interface   | JEITA type (DC IN 12V)  |

### ▼ USB Spec

|                                  |  |
|----------------------------------|--|
| Operating System Supported       | Windows 7 (only supports UVC1.1 features), Windows 8 and above version, MacOS 10.5 and above version, Linux 2.4.6 and above version, Android needs to include the version of UVC-related drivers |
| Color System / Compression       | YUY2 / H.264 / MJPEG   |
| Video Format                     | H.264 AVC: Max. 1080P30; MJPEG: Max. 1080P30   |
| USB Video Communication Protocol | UVC 1.1-1.5  |
| UVC PTZ Control                  | Support  |

### ▼ Generic Spec

|                       |                                       |
|-----------------------|---------------------------------------|
| Input Voltage         | DC 12V                                |
| Input Current         | 1A (Max.)                             |
| Operating Temperature | -10° C ~ 40° C                        |
| Storage Temperature   | -40° C ~ 60° C                        |
| Power Consumption     | 12W (Max.)                            |
| No Failure Time       | >30000 hours                          |
| Dimension             | 141.3mm (W) × 153mm (D) × 163.6mm (H) |
| Net Weight            | 1.153kg                               |

## Interface Diagram

