

VC10-4K | 4K UHD 10X PTZ Video Conferencing Camera



Key features

- Classic 4K UHD PTZ Camera Design Private Tooling & Patent Design
- Smart AI auto frame Auto frame person in the centre of meeting on screen
- 10cm distance Macro focus (3X only) Close up shoot and focus automatically
- 4K@30fps, 1080p@b0fps 1/2.8" CMOS, 8.29M pixel quality sensor output 4K@30fps
- HD optic lens, 3X/10X 3X/10X optical zoom, HOV 90.0/60.0 degrees Wide view angle
- PTZ Mechanism Pan movement $\pm 165^\circ$, Tilt Movement: $\pm 30^\circ$
- PTZ Control protocol PELCO-D, VISCA, UVC 1.5
- Video output format USB 2.0 B type

Product Overview

The Macsys VC10-4K is a high-performance video conference camera designed for seamless, professional-grade video meetings. It features a 4K UHD resolution (3840x2160) sensor, ensuring crystal-clear image quality, even in larger conference rooms. With its 10X optical zoom (focal length 4.7-47mm), the camera can capture detailed close-ups or wide-angle views, and the wide dynamic range (WDR) ensures sharp, high-quality video even in challenging lighting conditions.

Key functionalities include fast shutter speeds (1/25 to 1/10,000 seconds), low-light sensitivity (0.5 Lux @ F2.0), and precise color control via auto and manual white balance settings. The camera supports multiple output options, including USB 3.0 and HDMI, for easy integration with various video conferencing platforms and hardware. Additionally, it offers full pan/tilt capabilities ($\pm 165^\circ$), with adjustable speed control (0.1° to 40° per second) for dynamic framing during meetings.

The Macsys VC10-4K is compatible with popular control protocols such as VISCA and Pelco-D, and comes with an IR remote control for pan/tilt/zoom adjustments and on-screen display (OSD) menu navigation.

Technical Specification

Features	Detail
Sensor	1/2.8"HD Color CMOS Sensor, 3864 (H) x 2160 (V) approx. 8.29 M pixels
Min Scene illumi	0.5Lux at F2.0
Shutter speed	1/25 - 1/10,000 second
White Balance	Auto, Manual, ATW, INDOOR, OUTDOOR
Iris	F2.36-F2.4
Lens focus	f=4.7-47mm
Zoom	10X Optical zoom
HOV	60.0°- 6.0°
Wide dynamic & Back Compensation	Supported
Operation System	Windows XP, Windows Vista, Windows 7/8/10, Mac OS X, Linux
USB Interface	USB 3.0 type B female jack
Video Compression	H.264, MJPEG,YUY2
USB3.0 Output Video format	H.264/MJPEG: 3840x2160@30fps, 2560X1440@30fps/25/20/15/10/5fps, 1080p@60fps, 1600x896, 1024x768,1024x576,720P, 540P, 848x480, 800x600, 800x448, 720x576, 640x480, 360P, 80x272, 352x288, 320x240@60fps, YUY2: 3840X2160, 2560X1440@15, 10, 5FPS, 1080P@60fps
HDMI output	1CH HDMI V1.4 1920X1080P@60fps, 1920x1080p@30fps, 1920X1080P@50(ps, 1920x1080p@25fps, 1280x720p@o0fps, 1280x720p@50fps
UVC 1.5	Support
Control Protocol	VISCA, Pelco-D
Baud Rate	4800 / 2400 / 9600 / 38400 bps
Preset	64
Speed Matching Function	Support
H & V Image Flip	HorizontalVertical image flip optional
Pan Speed Range	0.1-40 degrees/s
Tilt Speed Range	0.1-40 degrees/s
Pan Rotation Angle	±165°
Tilt Rotation Angle	±165°
Remoter Control	IR Wireless remote control P/T/Z, OSD Menu
Power Supply	DC IN 12V

Technical Specification

Featues	Detail
Operation Temperature	0°C - 50°C
Environmental humidity	10-95%RH(non-condensation)
Length X width X high	Camera unit: L 180mm x W 112mm x H129mm
	Package: 302mm x 218mm x 120mm
Weight	650g



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