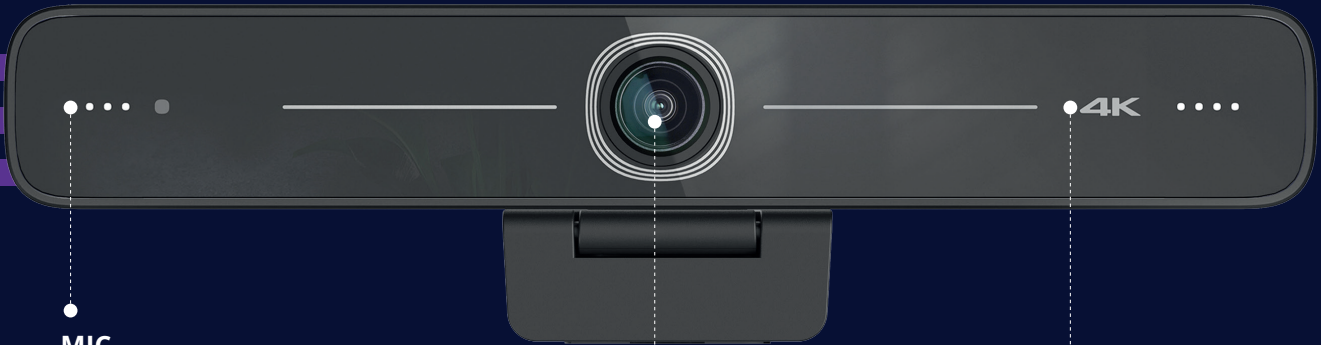# CleverCam

Discover 4k Ultra-High Definition

CleverCam is a 4K ultra-high definition ePTZ camera with a sleek, eye-catching design. CleverCam employs advanced ISP processing algorithms to provide vivid, vibrant images with uniform clarity, brightness, strong colour layering, high resolutions and fantastic colour rendition. With it's great functionality and superior performance, CleverCam is easy and convenient to install and maintain.

4K

MIC
Built-in two omni-directional MIC pickups

Sensor
1/2.8 inch high quality CMOS sensor

Audio/Visual
Multiple Audio/Visual Compression Standard

Key Features

Ultra HD 4K resolution

10x digital zoom

Easy to install and use on any device

Wide field of view with 83° wide angle and small distortion lens options

Auto framing using face-detection algorithm

1/2.8 inch high quality CMOS sensor

Video output interface USB 3.0 Plug and play

Built-in 2 omni-directional MICs. With unique noise suppression algorithm

Auto Framing

Employs a superior face detection algorithm to intelligently and automatically frame an image according to the number of people in the scene, as well as, focusing more on those that are in the middle.

Easy Installation

CleverCam is equipped with a mould clamp for easy installation on any device, such as, an LCD screen, laptop, table and tripod. No need to download any drivers; just plug and play using the USB 3.0 connection.

CleverCam Specifications

Technical Specification

View Angle	95°(D) / 83°(H) / 46°(V)
Focal Length	f=3.24mm
Iris	F2.1
Image Sensor	1/2.8 Inch High Quality 4K CMOS Sensor
Effective Pixels	8.28MP, 16:9
Video Output	USB3.0(Type B), audio video outputs LAN: 10M/100M/1000M adaptive Ethernet port,audio output supported (The default model without LAN)
Video Compression	USB 3.0:YUV2, NV12, MJPG, H.264, H.265 LAN:H.264, H.265
Audio Input	2 Micro omnidirectional pickups
Video Resolution	Main Stream: 3840×2160 @30fps, 1920×1080P @30fps / 25fps, 1280×720P @30fps / 25fps Sub Stream:1280×720P @30fps / 25fps, 640×480P @30fps / 25fps 320×172P@30fps / 25fps
Digital Zoom	10X
Illumination	0.1Lux (F1.8, AGC ON)
DNR	2D&3D DNR
Super Low Illumination	On/Off
Focus	Auto / Manual / One Push
White Balance	Auto / Manual / One Push//3000K/3500K/4000K/4500K/5000K/5500K/6000K/6500K/7000K
Exposure	Auto / Manual
Backlight Contrast	On/Off
SNR	>55db

USB

Video Compression	YUY2, NV12, MJPG, H.264, H.265
Operation Systems	Windows 7 (1080P or lower), Windows 8.1, Windows 10; macOS™, 10.10 or higher, Linux (UVC support); Android
USB Audio	Support
USB Protocol	UVC, UAC
USB Control	EPTZ
Hardware Requests	2.4 GHz Intel@ Core 2 Duo Processor or better, 2GB Capacity or more, USB 2.0 Input (USB3.0 for 4K)

Other Perameters

Working Voltage and Current	USB power supply	5v
	POE power supply	48V
	USB power supply	1A (max)
	POE power supply	0.104A (max)
Power Consumption	5W (max)	
Stored Temperature	-10°C ~ +60°C	
Stored Humidity	20% ~ 95%	
Working Temperature	-10°C ~ +50°C	
Working Humidity	20% ~ 80%	
Dimension (W*H*D)	180mm × 42.5mm × 46.3mm	
Weight	Around 0.3kg	
Accessory	User Manual, USB3.0 cable, Remote Control	