

Q-BRITE

imaginArt™

CAM50 Video Conferencing PTZ Camera

1080P / 12x Optical Zoom / USB 3.0



Product Features

● 1080P Full-HD

High-quality 1/2.8-inch HD CMOS sensor with 2.07 million effective pixels for high-quality images up to 1920x1080.

● Full Function USB Interface

Full function USB interface, compatible with USB 3.0 and USB 2.0, support audio and encoding output, support UVC V1.1 protocol.

● High Frame Rate

1080P output frame rate up to 60fps.

● Built-in Microphone (Optional)

Built-in microphone optional with pick-up distance up to 6m, high sensitivity and low noise.

● Multiple & Complete Interfaces

Support HDMI and USB3.0 to output 1080p60 video at the same time.

● Remote Control

The camera can be controlled remotely through the RS232 and USB port.

● 72.5° Wide-angle Lens + 16x Digital Zoom

The exclusively customized 72.5° high-quality ultra-wide angle lens, support 12x optical zoom and 16x digital zoom.

● Low Illumination

The new CMOS image sensor with ultra-high SNR can effectively reduce the image noise under low illumination. The application of 2D and 3D noise reduction algorithm greatly reduces the image noise even under the condition of ultra-low illumination, it keeps the picture clean and clear, and the SNR of image is as high as 55dB.

● H.264 Slice/ H.264 SVC Encoding

The H.264 stream supports Slice and SVC encoding modes, and suitable for high-end USB conference video applications.

● Dual Stream (Optional)

Simultaneously support two stream output (YUY2, MJPEG, H.264 each of both) to reduce the host codec pressure. (The second stream only supports H.264)



Product Specifications

Camera

Signal System	1080p/60, 1080p/50, 1080p/30, 1080p/25, 720p/60, 720p/50
Sensor	1/2.8 inches, CMOS, Effective Pixels: 2.07 Megapixels
Scanning Mode	Progressive
Focal length	12x, f=3.5mm ~ 42.3mm, F1.8 ~ F2.8
Digital Zoom	16x
Minimum Illumination	0.5 Lux @ (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	72.5° ~ 6.9°
Vertical FOV	44.8° ~ 3.9°
Pan Angle	±170°
Tilt Angle	±30°
Pan Speed	1.61° ~ 75.56° /s
Tilt Speed	0.44° ~ 15° /s
Image Flip	Support
Image Freeze	Support
Preset Position	255
Preset Accuracy	0.1°
Built-in microphone	Support
Microphone pickup distance	6m



Interfaces

USB Interface	1 x USB3.0, Type-B
HD Output	1x HDMI: Version 1.4(Optional)
Audio Interface	1x LINE IN, 3.5mm Jack
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 Features

Operating System Supported	Windows 7, Windows 8, Windows 10, Windows 11, Mac OS X, Linux, Android
Color System / Compression	MJPEG / YUY2 / H.264
Video Resolution	YUY2 (ISOC Mode): Max.1080p/60; H.264 AVC: Max.1080p/60; H.264 SVC: Max.1080p/60; MJPEG: Max.1080p/60 etc
USB Audio	Support
USB Video Communication Protocol	UVC 1.1
UVC PTZ Control	Support

General Specifications

Input Voltage	DC 12V
Input Current	1.5A (Max.)
Operating Temperature	-10° C ~ 40° C
Storage Temperature	-40° C ~ 60
Power Consumption	12W (Max.)
Dimension	128.5mm x 118mm x 156.2mm
Net Weight	0.9Kg