UAC-801

4K AI Camera



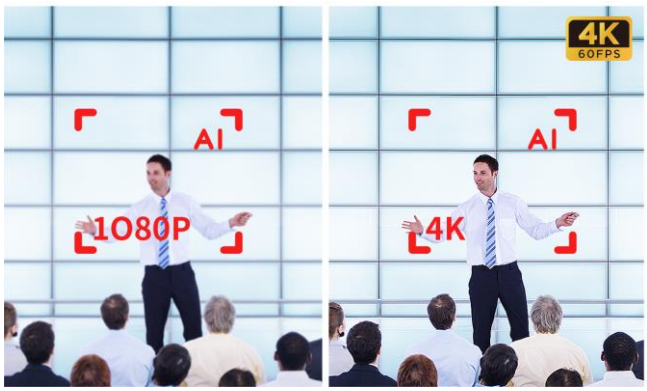
Product Features

- 4K/60fps ultra-clear image: utilizing a 10nm low-power SOC processor platform and a 1/2.5-inch 8.51 million-pixel CMOS sensor chip, delivering stable visuals and capturing details in presentation slides, classroom whiteboards, and more.
- 12x optical zoom, 16x digital zoom, and an industry-leading 80.8° ultra-wide horizontal field of view, capturing detailed scenes even in large distant areas.
- 3D digital noise reduction: even in low light and backlit conditions, it maintains vivid and distortion-free image performance.
- Equipped with HDMI 2.0, 3G-SDI, USB 3.0, and 1Gbps LAN ports, seamlessly catering to various scenarios like live-streaming, remote teaching, and worship.
- Advanced AI tracking: automatically identifies and follows speakers in real-time, ensuring perfect centering despite external interferences or obstructions.
- 255 preset points: easily capture presenters with pre-configured angles during meetings, allowing both local and remote participants to focus on the speaker.
- Flexible installation: you can place it on a table, mount it on a tripod, or wall-mount it. With a built-in gravity sensor, it automatically detects installation orientation and performs vertical flipping, no need of manual adjustments.
- Intuitive WEB UI: remote control and monitoring via RS-232/485/Ethernet enable easy adjustment of tracking presets, streaming modes, image rotation/mirroring, and more.
- PoE power supply: control, power, video, and audio transmission via a single cable.

Forget the Camera, Just be Yourself!



"AI recognition": precisely track and instantly follow the moving presenter, making him/she consistently positioned at the center of the frame despite external interferences.



Ultra HD 4K 60FPS resolution, delivering smooth and clear visuals



Industry-leading 80.8° field of view, capturing large-scale event scenes comprehensively



WEB UI Control



PoE Power Supply



4K 60FPS



Ceiling Mount & Image Flip



Industry-leading field of view

Front & Rear Panel



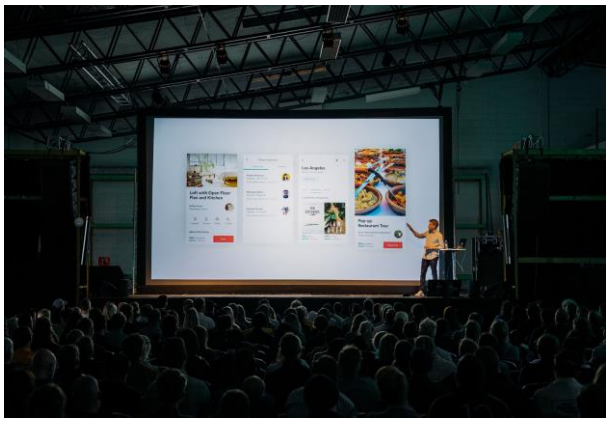


1) Tally indicator light
2) Information display screen
3) Restore
4) HDMI 2.0 OUT
5) 3G-SDI OUT
6) Analog audio 3.5mm Input
7) RS485
8) USB 3.0 OUT
9) Power switch
10) DC 12V 2A
11) 1GB LAN (POE+)
12) RS232 (OUT/IN)

Applications



Classrooms



Seminars



Conference Rooms



House of Worship

Specifications

Camera & Interfaces

Video System	4K：60 / 50 / 30 / 25 1080p：60 / 50 / 30 / 25 1080i：60 / 50 720p：60 / 50
Image Sensor	1/2.5" CMOS; 851K effective pixels
Optical Zoom	12x, f3.47mm~41.65mm, F1.84~F3.72
Digital Zoom	16x
Min. Illumination	0.5Lux@(F1.8, AGC ON)
Shutter	1/30s~1/10000s
White Balance	Auto, indoor, outdoor, one-push, manual, specified color temperature
Backlight	YES
Digital Noise Reduction	3D
Video S/N	≥55dB
Horizontal Angle	80.8° ~ 7.5°
Vertical Angle	48.9° ~ 4.3°
Horizontal Rotation Range	±162.5°
Vertical Rotation Range	-30°~+90°
Pan Speed Range	1.8° ~ 80°/s
Tilt Speed Range	1.5° ~ 49°/s
H&V Flip	YES
Image Freeze	YES
Preset Points	255
Preset Accuracy	0.1°

IPC Feature

Video Compression	H.264/H.265/MJPEG
Video Stream	2
Main Stream Resolution	3840x2160/1920x1080/1280x720/1024x576/720x480/720x408/640x480/640x360
Sub Stream Resolution	720x480/720x408/640x480/640x360/480x320/320x240
Video Bit Rate	32Kbps~51200Kbps; CH2: 32kbps~20480kbps
Bit Rate Type	Variable/Fixed
Frame Rate	50Hz: 1fps~50fps, 60Hz: 1fps~60fps
Audio Compression	AAC、G711A
Audio Bit Rate	96Kbps, 128Kbps
Support Protocols	TCP/IP, HTTP, RTSP, RTMP, Onvif, DHCP, Multicast, etc.

Input/Output Interface

USB Interface	USB 3.0 x 1 (Type-C)
HD output	HDMI 2.0 x 1/3G-SDI x 1
Network Interface	RJ45 x 1: 10M/100M/1000M Ethernet, POE supported
Audio Interface	Line In (3.5mm) x 1
Control Interface	RS-232 x 2/RS-485 x 1

USB Feature

Operate System	Windows 7/8/10/11, Mac OS X, Linux (UVC required)
Color System	YUY2/H.264/MJPEG/H.265
Video Format	YUY2: Max 1080P@30fps
Audio on USB	YES
Video Communication Protocol	UVC 1.1, UVC1.5
UVC PTZ control	YES

Physical Property

Operating Temperature	0°C ~ 40°C
Storage Temperature	-40°C ~ 60°C
Dimensions	223 x 154.8 x 165 mm
Net Weight	1.8KG
Input Voltage	DC 12V / PoE
Input Current	2.0A
Power Consumption	18W (max.)

BXB
ADD 6F-1, No.288-5, Xinya Rd., Qianzhen Dist., Kaohsiung City 806604, Taiwan
TEL +886 7 9703838
FAX +886 7 9703883
MAIL bxb@bxb.tw
WEB www.bxbsystem.com