4K Webcam

UAI4JX1702U

4K | 110°WideMicrophone Angle LensArray | USB 3.0 | AI Humanoid Tracing

4K USB Camera, built-in microphones, USB3.0. With the AI capability, camera can support body tracking and group framing, automatically present the participants in the center of the image, provide high quality A/V experiences.

Features

4K UHD

Equipped with a new generation of UHD CMOS image sensors, shooting 4K videos with full details. With a 110 -degree oversized angle low distortion of 4K lens, the panoramic view of the panoramic view.

USB 3.0

The USB 3.0 port can provide power supply, videos and audios, and support 2 USB video signal sources (optional) + 1 audio source.

Beamforming Microphone Array1

The built-in beamforming microphone array has a unique noise suppression algorithm and automatic gain algorithm for a pickup distance up to 6 m to perfectly record your voice.

AI Capability

The multi-layer convolutional neural network and the cuttingedge deep learning algorithm inject intelligent features into cameras; high-quality analytic data is available through open APIs.

AI Tracking

Embedded NNE hardware uses the deep learning technology to extract the target's characteristics and allow smooth face tracking, no matter where the face is facing. The product is applicable to automatic tracking of speakers in lecture and presentation.

Convenient Operation

Through exquisite infrared remote control, exclusive software, one -click to start automatic frame selection, humanoid tracking, and at the same time, you can set preset positions, EPTZ, image parameters, etc.

Remark:
1.The maximum pickup distance is obtained from the VHD laboratory test, and the actual distance varies depending on the user's environment.

Product Specification

Camera Spec

Sensor	1/2.7 inches, CMOS, Effective Pixels:8.29 Megapixe Scanning Mode
	Progressive
Type of Lens Mount	M12
Lens	f=2.2mm, Horizontal FOV: 110°
Minimum Illumination	0.5Lux @ (F1.8, AGC ON)
Shutter	1/30s ~ 1/10000s
White Balance	Auto, Indoor, Outdoor, One Push, Manual Bracket Damping
	rotating bracket
Digital Noise Reduction	2D&3D Digital Noise Reduction
Backlight Compensation	Support

USB Spec

Operating System	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
Hardware Requirements	2.4 GHz Intel® Core 2 Duo Processor or higher 2 GB memory or higher USB 2.0 （4K requirements USB 3.0）
Color System / Compression	H.264 / MJPEG / YUY2
Video Format	4KP30/25, 1080P30/25, 720P30/25, 960x540P30/25, 640x360P30/25 etc.
USB Video Communication Protocol	UVC 1.1
UVC PTZ Control	Support （EPTZ）

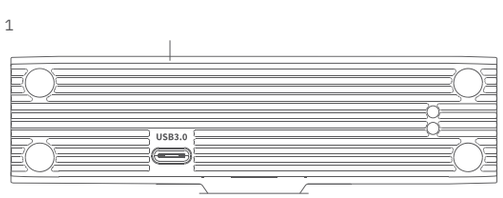
I/O

USB Interface	1 x USB 3.0, type C
Remote Control	Support

Generic Spec

Input Voltage	5V (USB Power Supply) Input
Current	0.6A （Max.）
Operating Temperature	0°C ~ 40°C
Storage Temperature	-40°C ~ 60°C
Power Consumption	3W （Max.）
Dimension	118mm (W) x 37.2mm (D) x 34.5mm (H) (Non -bracket)

Interface Diagram



1 —— USB3.0