JX1702U

4K Webcam With AI Technology

4K / 110° Wide-angle Lens / USB 3.0 / AI / WDR

Product Features

● **UHD With Ultra-wide FOV Angle**
A new generation of UHD CMOS image sensor with 4x effect of high-definition images and shoots 4K videos with full details. With the ultra-large viewing angle 4K lens, the panoramic view is unobstructed.

● **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 Array**
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 cutting-edge deep learning algorithm inject intelligent features into cameras; high-quality analytic data is available through open APIs.

● **Auto Framing**
The screen's view angle is automatically adjusted depending on the people within the detection range through the cutting-edge deep learning algorithm to avoid manual adjustment of camera and provide you with new experience.

● **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.

● **AI Gesture Control**
A new generation of intelligent human-computer interaction, think as you want, move with your hand.

● **WDR**
Support WDR, easily cope with different lighting environments, no matter how harsh the environment is, you can also restore the most real you.

Camera

Sensor	1/2.7 inches, CMOS, Effective Pixels: 829 Megapixels
Scanning Mode	Progressive
Type of Lens Mount	M12
Lens I	Focal length: f=2.2mm, FOV: 120°
Lens II	Focal length: f=3.5mm, Horizontal FOV: 84° Auto focus
Minimum Illumination	0.5 Lux @ (F1.8, AGC ON)
Shutter	1/30s ~ 1/10000s
White Balance	Auto, Indoor, Outdoor, One Push, Manual
Digital Noise Reduction	2D & 3D Digital Noise Reduction
Backlight Compensation	Support
Camera Stand	The standard configuration includes a damping rotary support

USB Features

Operating System	Windows® 7 (only 1080p and below are supported) Windows 8.1, Windows 10 or higher versions macOS ™ 10.10 or higher versions Google ™ Chromebook ™ Version 29.0.1547.70 or higher versions Linux (support for UVC needed)
Hardware Requirements	2.4 GHz Intel® Core 2 Duo CPU or higher; 2 GB or larger memory; USB 2.0 (USB 3.0 required for 4K)
Color System / Compression	H.264 / MJPEG /YUY2 /NV12
Signal System	4K/30, 4K/25, 1080p/30, 1080p/25, 720p/30, 720p/25, 960x540p/30, 960x540p/25, 640x360p/30, 640x360p/25, etc.
USB Video Communication Protocol	UVC 1.1
UVC PTZ Control	Support (EPTZ)

Interfaces

USB Interface	1x USB 3.0, Type-C
IR Remote Control	Support

General Specifications

Input Voltage	5V (USB Power Supply)
Input Current	600mA
Operating Temperature	0° C ~ 40° C
Storage Temperature	-40° C ~ 60°C
Power Consumption	3.0W(Max.)
Dimension	118mm x37.2mm x 30.8mm