



Functional description:

1.The new CMOS image sensor with ultra-high signal-to-noise ratio effectively reduces image noise in low-light conditions. Utilizing 2D and 3D noise reduction algorithms, it significantly minimizes image noise, maintaining clean and clear footage even < ultra-low illumination. The image signal-to-noise ratio exceeds 55dB.

2.ISP Image Processing Algorithm: The next-generation ISP image processing algorithm delivers enhanced white balance and auto exposure capabilities, significantly improving camera image output performance and delivering superior imaging results. Widely used in education recording, distance learning, video conferencing, live streaming, broadcasting, and other industries.

3.Utilizing advanced focusing algorithms enables the lens to achieve rapid, precise, and stable focusing;

Built-in AI technology and pedestrian re-identification technology enable automatic framing of attendees and automatic tracking of speakers.

Technical specifications:

Model	LB-8601T
Sensor Type	1/2.8-inch CMOS sensor with 2.07 million effective pixels
Scanning Method	Line by line
focal length	f4.42mm~88.5mm
Aperture coefficient	F1.8~F2.8
Resolution	1080P60, 1080P59.94, 1080P50, 1080I60, 1080I59.94, 1080I50, 1080P30, 1080P29.97, 1080P25, 720P60, 720P59.94, 720P50
Preset Position	255
Preset Position Accuracy	0.1°
Horizontal Field of View	72.5°~6.9°
Horizontal rotation range	-170° ~ +170°
Vertical rotation range	-30° ~ +90°
Horizontal rotation speed range	Horizontal: 1.7°~100°/s, Elevation: 1.7°~69.9°/s
Digital Noise Reduction	2D and 3D Digital Noise Reduction
Microphone	Built-in dual microphone array
Backlight compensation	Support
EPTZ	Support
Optical zoom	12x
Power over Ethernet	Support
Audio Compression Standard	AAC
Support Agreement	TCP/IP, HTTP, RTSP, RTMP, ONVIF, DHCP, etc.
Network Interface	RJ45 Port 1: Supports PoE
High-definition output	1 HDMI output port, 1 3G-SDI output port (supports transmission distances up to 150 meters at 1080p30)
Audio Interface	1 x 3.5mm audio input jack, 1 x 3.5mm audio output jack
USB port	1 USB 3.0 output port
Control Interface	1x RS485 interface, 1x RS232 input interface, 1x RS232 output interface
Input voltage	DC 12V / PoE (IEEE 802.3af)
Input current	1.2A (maximum)
Operating Temperature	-10°C to 40°C
Storage temperature	-40°C to 60°C
Power consumption	12W
Dimensions	169mm x 141.5mm x 176mm
Weight	1.5kg