HD Integration Camera ED1202B

4K Ultra HD, 12x optical zoom, TOF fast focus, macro shooting

The high-definition integrated camera features a cylindrical one-piece streamlined design, incorporating a 4K ultra-high-definition camera, TOF technology, and a 12x optical zoom lens. It can automatically focus on the subject, achieving rapid and precise focus. Utilizing advanced ISP processing technology and algorithms, it delivers lifelike images with uniform brightness, strong color depth, high clarity, and accurate color reproduction, presenting the best viewing experience. It also comes with a built-in control panel for convenient access to frequently used functions.

Product Feature

- **4K UHD Image:** It employs 1/2.8 inch high quality CMOS sensor. Resolution is up to 3840×2160 with frame rate up to 30 fps.， Present clear and lifelike HD videos that vividly show the characters' expressions and movements.
- **Optical Zoom Lens:**12 x
- **Leading Auto Focus Technology:** Leading autofocus algorithm allow the camera to focus swiftly, accurately, and stably.
- **Laser rangefinder:** assisted focusing for faster and more stable focusing.
- **Low Noise High SNR:** Low noise CMOS effectively ensure the camera’s ultra-high SNR. 2D&3D noise reduction technology furtherly reduce the noise without image comprising.

- **Button Operations:** Supports a multifunctional control button panel, which can conveniently control of commonly used functions such as zoom, focus, brightness adjustment, freeze, menu, and more.
- **Multi Video Outputs:** Support HDMI, USB3.0, 3G-SDI, LAN, support audio and video output; The LAN interface supports POE power supply.
- **Audio Input Jacket:** AAC, MP3 Support16000, 32000, 44100, 48000 sampling frequency, support AAC,MP3, G.711A audio coding.
- **Multiple Network Protocols:** protocols ONVIF,GB/T28181RTSP,RTMP,VISCA OVER IP,IP VISCA,RTMPS,SRT protocols； and also support RTMP push mode, easily link to streaming media servers (Wowza, FMS); support RTP multicast mode.

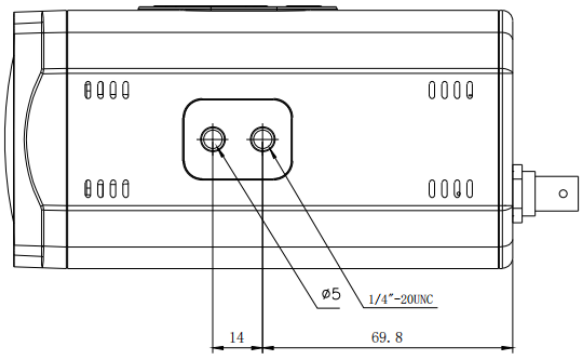
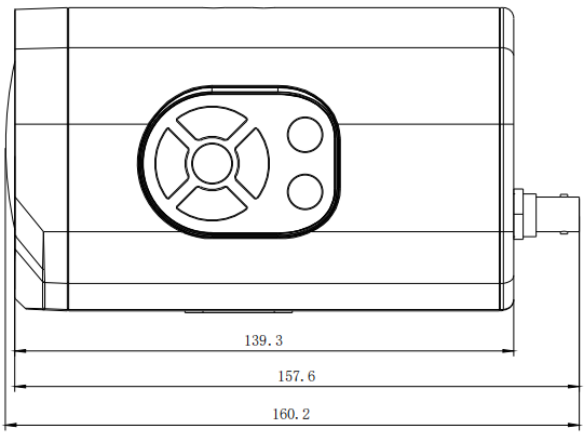
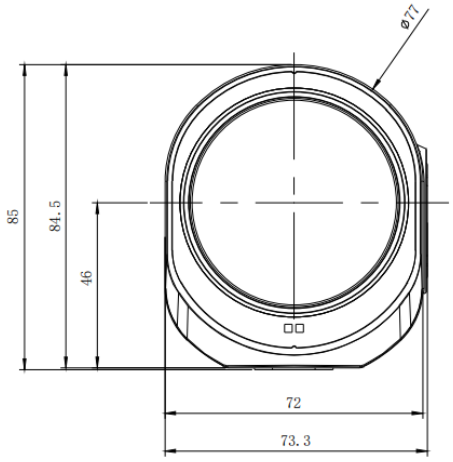
Technical Specification

Parameter/Model	12X
Camera Lens	
Image Sensor	1/2.8 inch high quality 4K HD CMOS sensor
Effective Pixel	8.28M,16:9
Video Signal	**HDMI/USB:** 3840*2160P30/25;1080P60/50/30/25/59.94/29.97;720P60/50/59.94fps； **3G-SDI:** 1080P60/50/30/25/59.94/29.97;720P60/50/59.94fps； USB: H.264/MJPG:3840*2160P30;1920*1080P30;1280*720P30; NV12/YUY2:1920*1080P30;1280*720P30 **LAN:** H264:3840*2160P30/25;1080P60/50/30/25/59.94/29.97;720P60/50/59.94fps； Note: HDMI and USB cannot output 4K at 30fps simultaneously
Optical Zoom	12X　f＝3.5～42mm
Viewing Angle	9°（T）~ 90°（W）（ D） 8°（T）~ 80°（W）（ H） 4.8°（T）~ 48°（W）（ V）
Iris	F1.8 – F3.3
Minimum Illumination	0.5Lux(F1.8, AGC ON)
DNR	2D & 3D

White Balance	Auto/Manual/One-push / Specifying Color Temperature
Focus	Auto/Manual/One-push，Support for TOF Laser Ranging Module for Assisted Focus
Shutter Aperture	1/25-1/20000,Auto/Manual
BLC	On/off
Dynamic Range	Off/dynamic level adjustment
Video Adjustment	Brightness, Chroma, Saturation, Contrast, Sharpness, Black and White Mode
SNR	≥50dB
Button Panel Functions	Zoom In, Zoom Out, Brightness Increase, Brightness Decrease, Freeze, Mode, Menu

Interface Parameter	
Video Output Interface	HDMI,USB3.0,SDI,LAN
Audio Input Interface	Line IN
Image Stream	Dual Stream Output
Control Jacks	RS485, 2-PING Phoenix Connector, Supports VISC Protocol
Video Compression Format	H.264
LAN Interface	100M network port（10/100BASE-TX）Supports POE Power Supply, Supports Audio and Video Output
Network Protocol	RTSP,RTMP,ONVIF,GB/T28181 ； Support network VISCA control protocol；Support remote upgrade, remote restart, remote reset
Power Supply	5.0 Card Slot (DC12V)
Power Adapter	Input: AC110V-AC220V Output: DC12V/2A
Input Voltage	DC12V±10%

Other Parameter	
Storage Temperature	-10℃～+60℃
Storage Humidity	20%～95%

Working Temperature	-10℃～+50℃
Working Humidity	20%～80%
Dimension	157.7（L）mm×73.3mm（W）×85mm（H）
Weight (Approx.)	690g (Camera Body Only)
Environment	Indoors

Dimension