

EC75 4K 60 fps Digital Camera



SKU:

EAN:

FEATUES

● Ultra-HD USB 3.0 Camera with Low-Distortion Lens and High Speed High-Resolution Industrial Camera: Upgrade your machine vision and surveillance capabilities with this Ultra-HD USB camera. Designed for both professionals and enthusiasts, this high-performance camera features an advanced 1/2.3" IMX577 CMOS sensor, delivering stunning 4000x3000P (12-megapixel) resolution.

● True Plug & Play UVC Compliance

Compliant with UVC standards, requiring no additional drivers. Works seamlessly out-of-the-box with Windows, Linux, Mac OS, Android, and popular SBCs like Raspberry Pi and Jetson Nano.

● UHD 12MP High Speed USB3.0 Camera

Speed Up to 1080P@230FPS, Incredible High Speed Video: Supports multiple frame rate configurations to suit any need, including 12MP@30FPS 4K@60fps for high-definition recording and 1080P@230fps for detailed slow-motion analysis.

● Super Speed USB3.0 Interface

Plug & Play, Free Driver, UVC Compliant, Flexible Interface & Compatibility: Features a high-speed USB 3.0 interface (Type-C connector), backward compatible with USB 2.0. Supports YUY2 and MJPEG formats for flexible bandwidth and quality management.

● 12 MEGAPIXEL HIGH RESOLUTION Produce Sharp & Clear Image
Crystal Clear 12MP Imaging PC Camera: Equipped with a high-quality 1/2.3" IMX577 sensor for ultra-high-definition video and still images, capturing every critical detail at resolutions up to 4000x3000P.

Wide Angle 88 degree Low distortion Lens, 53/ 71/ 90/ 102/ 118 Degree Lens optional

● minimizes image distortion, delivering a perspective that aligns with the real world, making it ideal for applications requiring precise imaging, such as industrial inspection and visual analysis



SPECIFICATION

Image Sensor	SONY IMX577 (1/2.3")
Max Default Resolution	4000(H)*3000(V)
Sensor Size/ Image Size	10.7mm x 8.5mm /5.95mmx 4.71mm
Pixel Size	1.55µm x 1.55µm
Compression Format	MJPEG /YUY2 (YUYV)
Resolution & Frame Rate	Under USB 3.0 Interface & Speed:
(USB 3.0 Interface & Speed)	4000x3000@30fps MJPEG/YUY2 10fps 3840x2160@ 60fps MJPEG/YUY2 20fps 3264x2448@ 30fps MJPEG/YUY2 20fps 2560x1440@ 60fps MJPEG/YUY2 30fps 1920x1080@ 230fps MJPEG/YUY2 60fps

1280x720@ 230fps MJPEG/YUY2 120fps

640x360@ 230fps MJPEG/YUY2 230fps

Resolution & Frame Rate(USB 2.0 Speed)	Under USB 2.0 Speed: 4000x3000@ 30fps MJPEG 3840x2160@ 30fps MJPEG 3264x2448@ 30fps MJPEG 2560x1440@ 60fps MJPEG 1920x1080@ 120fps MJPEG 1280x720@ 230fps MJPEG/YUY2 10ps 640x360@ 230fps MJPEG/YUY2 30fps
Center Definition	1000LW/PH (Center)
S/N Ratio	49dB
Sensitivity	0.65V/lux-sec@550nm
Minimum illumination	0.1lux
Shutter Type	Electronic rolling shutter/ Frame exposure
Connecting Port type	USB 3.0 Interface
AECIAWB/ AGC	Support
Adjustable Parameters	Brightness, Contrast, Saturation, Hue, Sharpness, Gamma, White Balance, Backlight Compensation, Exposure
Lens Parameter	f=3.24mm, No distortion, HFOV is approximately 88°.Optional Lenses: M12 No distortion: 71%/ 88°/102°/118°/ 127° M12 Normal: 12%/ 23°/26% 61°/92%/116° M12 Fish-eye: 164°/200° (For other viewing angles, please contact us directly.)
Power Supply& Connector	USB Type-C Power Supply, Type-C
Power Voltage	DC5V
Power Current	180-260mA
Board Size	38x38x48.8mm
