



Silex Eye-Clarity GT-12

Auto-tracking and Gesture Control 12x PTZ 4K Cam



Silex Eye-Clarity GT-12 is an Auto-tracking and Auto-framing 12x PTZ 4K Camera with Gesture Control. This camera is designed with the complex nature of today's business in mind, allowing active users intelligent tracking during video calls while using the video conferencing software of their choice.



Main Features

- Auto Tracking: AI interaction, multi-gesture control with fast facial recognition & locking
- Auto Framing: Camera repositioning and auto Zooming to auto frame the participants in center of the image
- USB3.0 & USB2.0. Supports UVC 1.1 ~ 1.5 protocols
- 4K Ultra HD: Sony 1/2.5" UHD CMOS sensor 8.51 million pixels, resolution 4K (3840x2160)
- HDMI 2.0 output uncompressed 4K original video signal
- Real 8 million ultra-high resolution 4K lens, 12x optical zoom, wide angle horizontal FOV 71°
- Low illumination: CMOS sensor with image noise reduction in low illumination conditions, 2D and 3D noise reduction algorithms, Image signal-to-noise ratio is above 55dB
- Support POE (Power Over Ethernet), to control, supply power, video & audio transmission through a network cable
- Camera Control: Remote control, Serial control - RS232 (RS485 optional), IP, and USB (UVC)
- H.264 Slice/ H.264 SVC encoding support: Output H.264 stream supports Slice and SVC encoding modes
- Dual stream output (any two of YUY2, MJPEG, H.264)
- Rich and complete interfaces: LAN, HDMI, USB3.0, RS232/RS485, Line in
- 3 ways of power supply: Support USB 5V power supply, 12V Adapter and PoE power supply



Specifications

Camera parameters:

- Video resolution (HDMI Out): 4KP60fps, 4KP29.97fps, 4KP25, 1080P30, 1080P29.29, 1080P25
- Sensor: 1/25", CMOS, Effective Pixel 8.5M
- Scanning mode: Progressive Scan
- Lens: 12x, f4.4mm ~ 52.8mm, F1.8 ~ F2.6
- Minimal illumination: 0.5 Lux @ (F1.8, AGC ON)
- Shutter speed: 1/30s ~ 1/10000s
- White balance: Automatic, indoor, outdoor, one-button, manual, specified color temperature
- Backlight compensation
- Digital noise reduction: 2D&3D digital noise reduction
- Signal-to-noise ratio: ≥ 55 dB
- Horizontal Field of View: $71^{\circ} \sim 8.2^{\circ}$
- Vertical Field of View: $42.7^{\circ} \sim 4.5^{\circ}$
- Horizontal rotation range: $\pm 170^{\circ}$
- Vertical rotation range: $-30^{\circ} \sim +90^{\circ}$
- Pan speed range: $1.7^{\circ} \sim 100^{\circ}/s$
- Tilt speed range: $1.7^{\circ} \sim 69.9^{\circ}/s$
- Horizontal & Vertical flip support
- Image Freeze
- PoE power supply
- Humanoid tracking (optional)
- Number of preset: 255
- Preset accuracy: 0.1°
- Operating systems: Windows 7, Windows 8, Windows 10, Mac OS X, Linux, Android

USB features:

- Color space/ compression: YUY2 / MJPEG / H.264 / H.265
- Video format:
 - H.264 AVC: up to 4K 2160p/60
 - H.264 SVC: up to 4K 2160p/60
 - MJPEG: up to 4K 2160p/30
 - H.265: up to 4K 2160p/60
 - YUY2: up to FHD 1080p/30
- USB audio
- UVC PTZ control
- USB video communication protocol: UVC 1.1~1.5

Network features:

- Video coding standard: H.264 / H.265 / MJPEG
- Dual video stream
- First stream resolution: 3840x2160, 1920x1080, 1280x720, 1024x576
- Second stream resolution: 1920x1080, 1280x720, 720x576, 720x480, 320x240
- Video bitrate: 32kbps ~ 102400kbps
- Rate control: Variable bit rate, fixed bit rate
- frequency: 50Hz: 1fps ~ 50fps, 60Hz: 1fps ~ 60fps
- Audio compression standard: AAC G711A
- Audio bit rate: 96Kbps, 128Kbps, 256Kbps
- Protocols: TCP/IP, HTTP, RTSP, RTMP/ RTMPS, ONVIF, DHCP, SRT, GB/T28181, Multicast, etc...

Input/Output interfaces:

- HDMI 2.0
- Network interface (RJ45): 10M/ 100M/ 1000M adaptive Ethernet; support PoE power supply
- USB interface: Type-C
- Audio port: 3.5mm, Line In
- Communication Interface:
 - RS232 In: 8-pin small DIN, maximum distance 30 meters, VISCA / Pelco-D / Pelco-P protocol
 - RS232 Out: 8-pin small DIN, maximum distance 30 meters, VISCA protocol networking
 - RS485: 2-pin Phoenix port, maximum distance 1200 meters, VISCA / Pelco-D / Pelco-P protocol
- Power connector: JEITA type (DC IN 12V)

Other specifications:

- Input voltage: DC 12V/PoE (802.3af)
- Input current: 1.0A (max)
- Operating temperature: -10 ~ 40°C
- Stored temperature: -40 ~ 60°C
- Power consumption: 12W (max)
- Size: 169mm x 142mm x 164mm
- Weight: 1.35Kg





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