# SILEX

# Silex Eye-Clarity VMK-4k

**All-in-one UHD Video Media Kit**



Silex Eye-Clarity VMK-4k has been designed to fit different working environments. This compact Ultra HD all-in-one conference camera system enables users to connect the USB camera to any laptop, then join video calls from office or from home, using the videoconferencing software of their choice. Suitable for small to medium conference rooms, small offices, or home offices, the Eye-Clarity VMK-4k is easy to install and operate.

With its AI function and up to three wireless expansion microphones, it allows a very flexible audio and video coverage of the meeting area. The camera automatically centers and frames all the participants whenever they enter or leave the room, always offering an optimal capture of the meeting space.

## Main Features

- 4K Ultra HD image sensor for crystal clear vivid images
- Wide Angle (105 degrees HFOV)
- Built-in speakerphone
- Built-in full duplex omni-directional microphone offering wideband audio
- Up to 4 wireless omni-directional microphones
- Echo Cancellation
- USB Plug & Play, driver-free
- Compatible with most popular videoconferencing software
- ePTZ function with 4x digital zoom
- AI function allows the camera to automatically centre and frame all participants in the room
- Picture in picture function to show the whole room and a specific person
- Remote control

# Specifications

## Video:

- Camera sensor: 1/2.5" SONY CMOS
- Effective pixel: 8.0 Megapixel
- Minimum illumination : 0.5Lux at F2.0
- White Balance : Auto
- Gain control : Auto
- SNR : >50db
- Lens focus: 3.24mm
- Zoom: Fixed Lens with E-PTZ, 4x digital zoom
- FOV: 120°(D)/110°(H)/75°(V)
- Video output interface: USB3.0
- Video output format: 3840*2160, 1080P30, 720P30, 640*480, 640*360 – USB3.0: YUY2, NV12, MJPEG, H.264

## Built-in Speakerphone:

- Power: Double Channels 2x 5W
- Full duplex
- Echo cancelation: Echo cancellation time up to 256ms
- Noise Cancellation: >20dB

## Built-in Silicon Microphone:

- Sensitivity: -26dBFS
- Pickup Range: 5m
- SNR: 60dB
- Frequency response: 100Hz - 16kHz
- Sampling frequency: Record:16kHz / Playback: 48kHz

## Expansion Microphone:

- Maximum number of microphones connected: 4
- Pickup range: 5m
- Sensitivity: -26dBFS @1kHz 1Pa
- SN: 59dB
- Frequency response: 100Hz - 16kHz
- Sampling frequency: Record: 48Khz
- Wireless transmission mode: 2.4G ISM
- Wireless transmit power: 2.4G: +5dBm

## Expansion Microphone Operation:

- Working time: 8hours
- Standby time: 6 months
- Battery: 800MAH
- Charging: USB type C / Charging board contact charging

## Control Mode:

- Touch button control: Prompts Terminology/touch panel
- Remote control

## Charging Board:

- Maximum number of microphones to charge: 2 pcs
- Interface: USB-Type C
- Input voltage/current: 5V/2A
- Single output current: 600mA

## Installation Mode:

- Tripod
- Desktop
- Wall mount (wall mounting kit included)

## System Requirements:

- Windows® 7,8.1 or 10od
- MacOS® x 10.10 or higher
- Chrome OS™, Chrome OS™

## Power:

- All-in-one device consumption: 14W MAX
- Expansion microphone consumption: 0.2W MAX
- Power adapter all-in-one: DC12V±0.2V,1A
- Power adapter charging board: DC5V±0.2V,2A

## Weight and Dimensions:

- All-in-one device size: 400mm×61mm×70mm
- All-in-one device weight: 950g
- Expansion Microphone size: 70x49mm
- Expansion Microphone weight: 300g
- Charging board size: 200mmx100mmx16mm
- Charging board weight:170g

## Temperature and Humidity:

- Working temperature: -10°C ~ 40°C
- Environment humidity: 0-95% RH

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