

Silex Full-Clarity FX86-120

Smart Media Room full experience bundle



Features Highlight

- 86" 4K Interactive Display with media cart
- 4K Ultra HD Camera to capture wide angle views with participants spread in a large area
- Telephoto camera to capture participants located far from the camera
- Voice tracking using 8 embedded microphones to accurately localise the sound source
- Auto-framing to detect and frame participants in the room
- Integrated speaker
- Whiteboarding and annotation
- Silex Control interface and Meetings Calendar
- 10.2" Retina display iPad control tablet with wireless charging base
- Wireless content sharing
- Seamless hybrid video conferencing on Zoom and MS Teams

Silex Full-Clarity FX86-120 is designed to turn your large meeting room into an interactive and smart collaboration space. This room bundle includes all the required collaboration elements needed in a meeting room to conduct productive meetings locally and over video.

With seamless hybrid videoconferencing over MS Teams or Zooms, participants can join their video meeting in a single click from the main interactive display or from the control tablet's menu.

It offers smooth voice tracking and auto-framing to detect the speaker or adjust the frame to include all participants in the room automatically.

Whiteboarding and annotations are made easy using the 86" 4K interactive display or the iPad tablet. Content can be shared wirelessly from any device on the main display.

Main Features

Hybrid Video Conferencing

Silex Full-Clarity FX86-120 brings hybrid videoconferencing to your meeting room. With Hybrid videoconferencing, Zoom and MS Teams meetings appear in the same calendar interface, and you can choose to join video calls using Zoom or MS Teams in a single click only, without any configuration change, thus making your videoconferencing experience more flexible.

Silex Control Interface and Calendar

Silex Full-Clarity FX86-120 includes a control interface accessible from the interactive display or from the iPad control tablet. Both the Tablet and the main display are fully synchronized and display the same view allowing seamless access to the control interface. Silex control interface allows the following:

- Join scheduled Zoom and MS Teams meetings
- Schedule calls
- Share content from external sources during the video calls using the ClickShow wireless presentation system
- Whiteboarding
- Content sharing and annotation



Wireless content sharing

Silex Full-Clarity FX86-120 is equipped with a full BYOD solution whereby any user can share content from a personal device. Using a 3-in-1 button to connect laptops, or an App from mobiles, or Airplay and Miracast it allows full flexibility when it comes to display content on the main display.

Whiteboarding and annotations

The solution's main display is an interactive 4K 86" screen with 4mm tempered chock-proof glass, enhanced visual effect, and improved touch experience. With its high-speed 20-point touch for smooth and fast writing, it offers an enhanced whiteboarding and annotations experience. Whiteboarding and Annotations can be done from the large interactive 86" screen or from the iPad tablet on the shared content without affecting the original content. This insures a seamless collaboration locally and during video calls.

Wireless touch control

Silex Full-Clarity FX86-120 provides full control of the system from the large 86" touch screen or from the wireless iPad tablet. The iPad screen is fully synchronized with the 86" display hence allowing wireless full control, wireless annotations, and wireless whiteboarding. The iPad will automatically charge when in contact with its charging base that is also used as a support station with optimal viewing angle.

Voice tracking

Silex Full-Clarity FX86-120 includes a 4K ultra-HD Camera bar with 8 integrated microphones that work together to accurately localise the sound source for a precise and smooth voice tracking of the camera.

Auto-framing

With the auto framing feature, the system's camera will automatically detect the participants in the room and frame the camera accordingly to always include and frame all participants in its field of view.

Specifications

What is included:

- Silex Touch-Clarity SFID86
- Silex Eye-Clarity VMK 120
- Silex ClickShow 31-11
- OPS module
- 10.2" Retina display iPad with wireless charging base
- Silex Control Interface

Interactive Display:

- Screen size: 86 inch
- Backlight: DLED straight-down
- Display area: 1892.16*1064.22mm
- Ratio: 16:9
- Resolution: 3840 x 2160 UHD / 4K
- Viewing angle: 178°,178°
- Refresh rate: 60Hz
- 2 built-in speakers
- Compatible Operating systems: XP/Win7/Win10/ LINUX/ Android
- Input interface: RJ45, Touch USB, RS232, YPBPR IN ,AV IN, VGA IN, VGA AUDIO IN, 1*HDMI in, USB2.0, RF-IN, SD card, MIC IN
- Output interface: SPDIF OUT, Earphone, AV OUT
- Audio: MPEG1/2 layer I/II,AAC- Lc, WMA...
- Video: MPEG-2/4, AVS, H.264, H.265, TS, realmedia...
- OPS module

Interactive Display Touch:

- Touch type: IR
- Touch points: 20 points
- Writing surface materials: 4mm tempered glass
- Sensing method: Finger or other non-transparent touch sensitive media
- Touch system communication port: USB 2.0
- Touch accuracy: ≤2mm
- Response time: <8ms

OPS module:

- i5 or i7 intel processor
- 8G RAM
- SSD 256G
- Windows 10

Media Cart:

- On wheels (optional)
- Flexible camera positioning (on top of the screen or under the screen)

Dual Camera:

Ultra Wide -angle camera

- UHD 4K
- Effective pixel: 8 Megapixel
- ePTZ: 5x digital zoom
- FOV: 120° wide angle
- Resolution: 3840 x 2160
- Capture resolution: 4K
- Fps: 30fps

Telephoto camera

- UHD 4K
- ePTZ: 3x digital zoom
- FOV: 52°
- Capture resolution: 1080p
- Fps: 30fps

Other

- Intelligent auto-framing
- Voice tracking
- Video encoding: H.265, H.264, MJPEG, YUV
- White balance: Auto
- 8 element beamforming microphone arrays
- Acoustic echo cancellation and background noise suppression
- Microphone pickup range: 8m
- 1 built-in speaker
- USB interface:
 - 2* USB Type-A
 - 1* USB Type-C

ClickShow wireless presentation system base unit:

- Compatible with Airplay mirroring for iOS8 and above (supports multiscreen)
- Compatible with Android 5.0 and above (APP installation required). when mirroring and playing videos, the sound is transmitted via BT
- Supports Miracast and USB wireless mirroring
- Number of simultaneous sources on screen: 1 source from Windows, MAC, Android or iOS devices
- Extended desktop presentation: Native support (Windows 7/8/10). Functions as if the Laptop is connected to a standard screen/projector
- Screen rotation: supports 0 °, 90 °, 180 ° and 270 ° photo rotation
- QR code scanning: Supports QR code scanning to mirror (Android devices)
- Router mode: possibility to browse the internet while mirroring content
- Silex ClickShow App system compatibility: Windows 7/8/10
- Touch back control: Supports 10 fingers touch returns (Windows 7,8,10)
- Presentation code: When enabled, Android, AirPlay and Windows senders will require the code.
- Wireless HDMI transmission over IEEE 802.11 a/g/n/ac
- Dual Wifi: 2.4Ghz and 5Ghz (Multi-channel) simultaneously. Mirroring and internet surfing can be done simultaneously
- Wireless speed: 300Mbps
- Authentication Protocol: WPA2-PSK
- Interfaces: 1 x HDMI Output, 2 x USB, 1 x Ethernet LAN, 1 x 3.5mm mini jack socket
- Output resolution: 4K (3804x2160), 1080p (1920 x 1200), WXGA (1280x800) 30fps, 720p (1280x720), XGA (1024x768) 30fps
- Frame rate: 20 to 30 fps

- Video decoding: Supports H.264, H.265, VP8, RV, WMV, AVS, H.263, MPEG4
- Audio Output: Digital audio via HDMI - Analog audio via Audio Jack 3.5mm
- Devices compatibility:
 - iOS devices (using Airplay)
 - Android devices (using Miracast or ClickShow application)
 - Any device with HDMI, USB Type-C and USB Type A (using ClickShow transmitter)

ClickShow transmitter:

- 3-in-1 transmitter button compatibility: HDMI, USB Type-C, USB Type A
- System compatibility: Windows 7,8,10, Apple, Mac
- Reach: 30 meters, no obstacle
- Delay time: 100~200ms

iPad:

- Capacity: 64GB
- Retina display
- 10.2-inch (diagonal) LED-backlit Multi-Touch display with IPS technology
- 2160-by-1620-pixel resolution at 264 pixels per inch (ppi)
- True Tone display
- 500 nits brightness
- Fingerprint-resistant oleophobic coating
- Supports Apple Pencil (1st generation)
- A13 Bionic chip with 64-bit architecture
- Neural Engine
- Wi-Fi (802.11a/b/g/n/ac); dual band (2.4GHz and 5GHz); HT80 with MIMO
- Bluetooth 4.2 technology





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