



# SOUNDSENTRY<sup>TM</sup> SECURE MEETING ROOM

EFFECTIVE SECURITY FOR DYNAMIC MEETING ENVIRONMENTS, ELIMINATING THE RISKS OF EAVESDROPPING AND DATA BREACHES



# **SOUNDSENTRY**<sup>TM</sup>

# SECURE MEETING ROOM

Meeting rooms are a hub for secure, proprietary, and confidential communications. This environment is a prime target for cyber attacks, including data breaches and eavesdropping. The SoundSentry product family protects sensitive meetings from these threats and facilitates simple operation, even when conducted in a cross-domain environment.

The SoundSentry solution has different modes of operation, depending on the type of meeting: **fully secure mode**, **local meeting mode**, **and video conference mode**. Depending on the mode selected, the SoundSentry devices may be active or powered down – all at the push of a single remote control button.

## THE FAMILY

# OF SOUNDSENTRY PRODUCTS

- Videobar A specially designed videobar that can be shared between networks but is immune to data leakage. No wireless interfaces typically found in soundbar/videobar products, making WiFi and Bluetooth attacks impossible. No batterybacked internal storage, which prevents using the Videobar as an intermediary between networks.
- SC42PHU-4/SC82PHU-4
   Combiner A NIAP certified completely secure KVM Combiner switch with advanced multiview capabilities.
  - **Note:** HSL's secure line of Combiner and Mini-Matrix products are SoundSentry compatible.
- Videobar Diode An audio and webcam diode that prevents inadvertent microphone and video transmissions, high-frequency

- modem data exfiltration, and enforces unidirectional flow of all data streams to prevent data leaks.
- Multi-Domain Remote Control Invoke meeting room presets for local conferences, videoconferences, and classified conversations at the push of a button.
- SmartSwitch Power Strip Powers or disconnects the Videobar, Videobar Diode, and displays with the push of a remote-control button, ensuring the appropriate environment based on the meeting's security level.
- AQB (Active Quiet Box) The ultimate eavesdropping protection for smartphones. Physical anechoic technology ensures acoustic isolation, and active noise obfuscation prevents eavesdropping.

# **KEY PERFORMANCE**

# **FEATURES**

#### **VIDEOBAR**

- 4K UHD @ 30Hz video
- 121° wide field of view
- Up to 5X optical zoom; pan/tilt ± 15°
- Integrated beamforming microphone with a pickup distance of 6 meters
- · Full frequency, high fidelity loudspeaker
- Video output: HDMI; Compression: H.264/MJPEG/YUY2/NV12
- USB interface: 1 X USB3.0, Type C; 1X USB2.0, Type A
- · Automatic dominant speaker video tracking
- · No wireless WiFi or Bluetooth interfaces
- · No battery-backed internal memory for data storage

## SC42PHU-4 / SC82PHU-4 SECURE COMBINER

**Note:** The SoundSentry solution is compatible with any of HSL's secure Mini-Matrix and Combiner KVM switches

- 4/8 source ports, depending on model; 2 console display ports
- Advanced multiview capabilities including tiled and scaled views of all sources on a single display.
- NIAP PP4.0 PSD certified
- 4K UHD @ 30Hz

## **AQB (ACTIVE QUIET BOX)**

- · Capacity for 8 or 4 smartphones
- Reduces ambient sounds passively using an anechoic physical barrier
- Active random noise obfuscation using human speech recordings

#### REMOTE CONTROL

- 8 programmable buttons for controlling the secure Combiner and the SmartSwitch Power Strip
- · Can be daisy-chained for additional capacity









#### **VIDEOBAR DIODE**

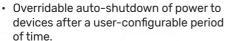
 Media flow is enabled only after pressing a dedicated button. Overridable auto-shutdown of media streams after a user-configured period of time.



- Low pass filter prevents turning speakers into high-frequency transmitters
- Unidirectional diodes prevent retasking speakers into listening devices
- · Unidirectional diodes inhibit using peripherals for data exchange

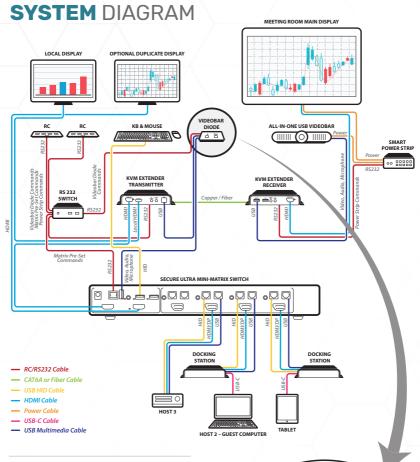
## **SMARTSWITCH POWER STRIP**

- Controls the power supply to up to 4 peripherals including display screens and videobars.
- Integrates with the remote control a single button controls the power state of the peripherals.







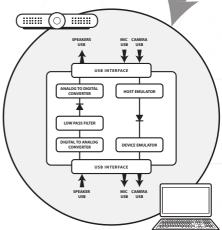


## **VIDEOBAR DIODE:**

## INTERNAL STRUCTURE

#### **WORKING MODES:**

- Fully Secure Main display & Videobar disconnected
- Local Meeting Main display operational, Videobar disconnected
- Video Conference Main display & Videobar operational



## **SECURITY FEATURES**

- Audio stream is protected by a low-pass filter preventing high frequency data breaches
- Unidirectional data flow prevents data breaches through peripheral devices and the retasking of audio speakers as microphones.
- Optical data diodes prevent mixing data between sources, including guest computers.
- Immune to wireless hacking attempts.
- No back-up batteries information cannot be stored in a device for delayed exfiltration.
- Normally closed Videobar Diode prevents inadvertent audio and video transmissions.

- Remote controlled SmartSwitch Power Strip cuts power to the Videobar, display and Videobar Diode, depending on the classification level of the meeting.
- Smartphone eavesdropping prevention through anechoic isolation and active noise obfuscation.
- Anti-tamper mechanism and holographic anti-tamper labels.
- TAA & BAA compliant secure supply chain and manufacturing prevent zeroday supply chain attacks.

## **HIGH SEC LABS (HSL)**

DEVELOPS HIGH-QUALITY CYBER-DEFENCE SOLUTIONS FOR PROTECTING NATIONAL ASSETS AND INFRASTRUCTURE IN THE FIELD OF NETWORK AND PERIPHERAL ISOLATION.







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