



SoundSentry™

SECURE MEETING ROOM SOLUTIONS

A comprehensive solution for effectively conducting sensitive meetings without the risks of eavesdropping and data breaches, using the same equipment for both classified and unclassified meetings.

MEETING ROOMS

Meeting room key features

- **Connectivity**

- Connects various devices and networks for seamless information sharing.
- Accommodates multiple personal devices brought by participants.

- **Collaboration**

Supports collaboration among local and remote attendees.

- **AV technology**

Includes display screens, Video bars, KVM switches, and remote controls with internal clients and open interfaces.

- **Room types**

Applicable to all types of meeting rooms, including executive offices, board rooms, huddle spaces, and conference rooms.



WHAT IS A **SECURE MEETING ROOM**?

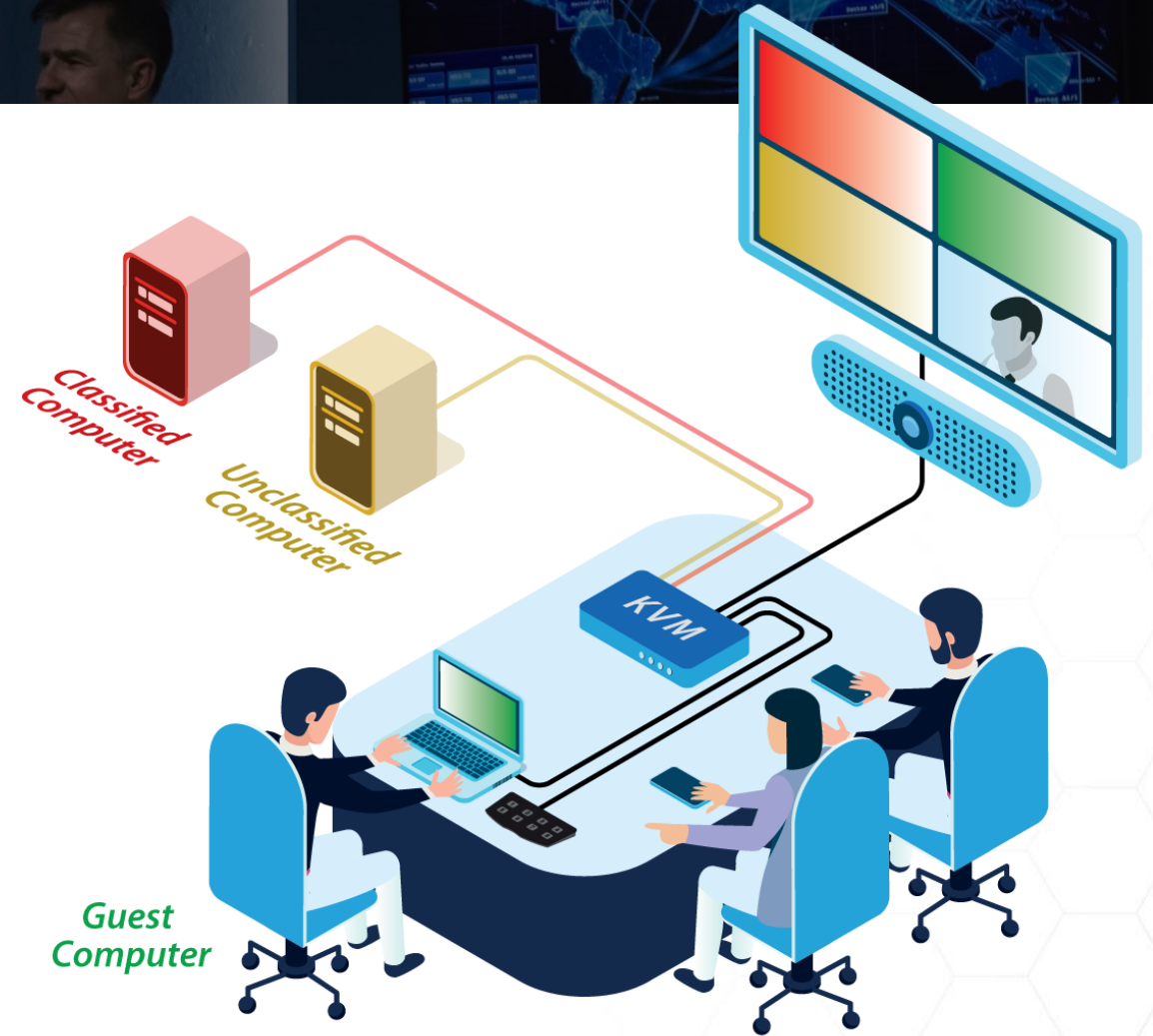
A **secure** meeting room is a space where meetings at different classifications are being held either at the same time or different times. There is a need to present and share information of different classifications with the attendees either local or remote.



MEETING ROOM VULNERABILITIES

The convergence of networks, computers, devices, and people introduces critical risks:

- **Data Leaks and Breaches** - Information may flow between classified networks to guest devices or unsecured networks.
- **Eavesdropping** - Classified conversations may be intercepted, recorded, and transmitted to external parties.



THE SOUNDSENTRY™ SOLUTION

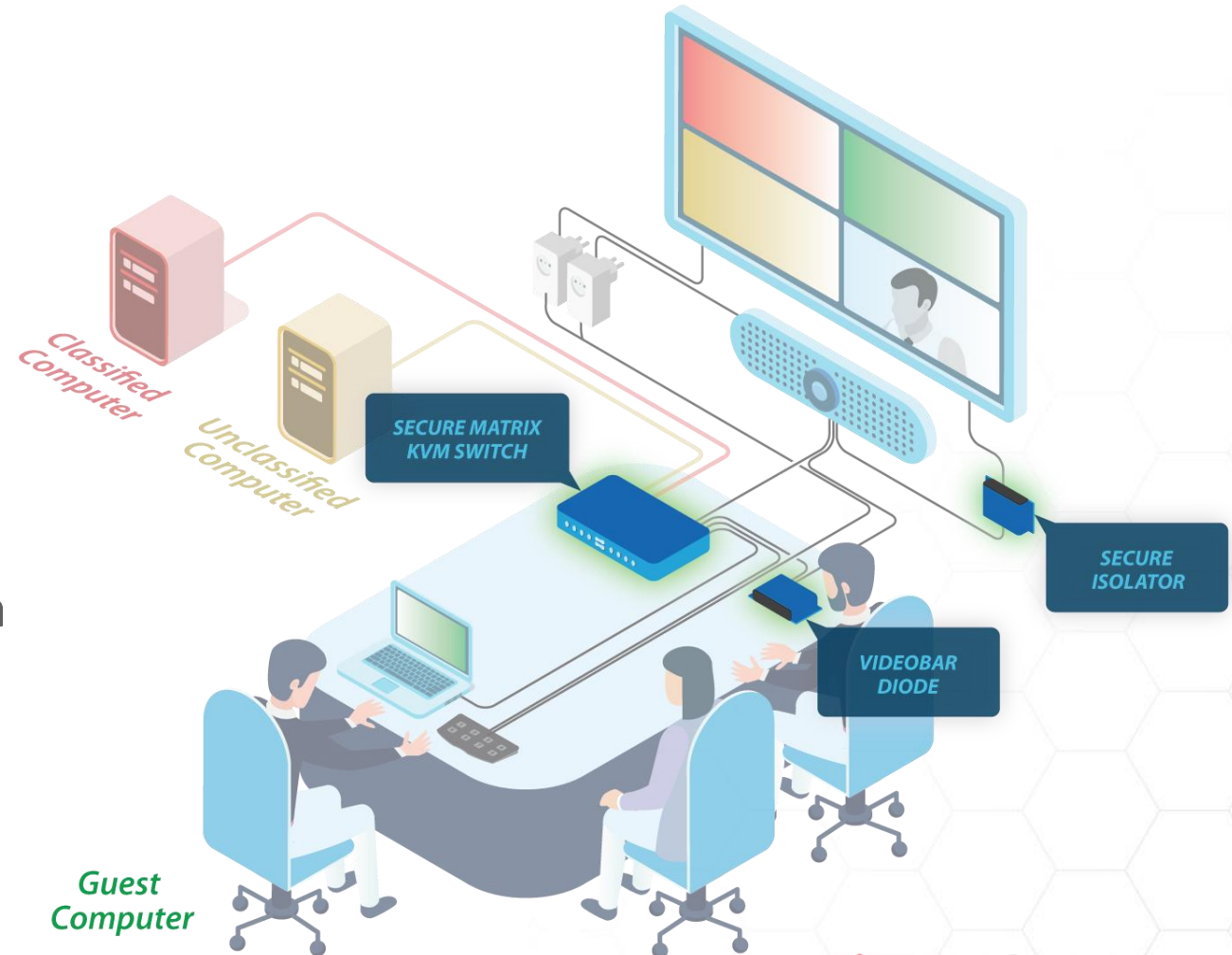
The **SoundSentry** family is a comprehensive solution for conducting classified and unclassified meetings using the **same room and equipment**, with no risk of data leakage.

It is the world's only solution **specifically designed** to protect classified & sensitive information.

The **SoundSentry** solution is **TAA** and **BAA** compliant and uses NIAP certified components and technologies.

PREVENT DATA BREACHES

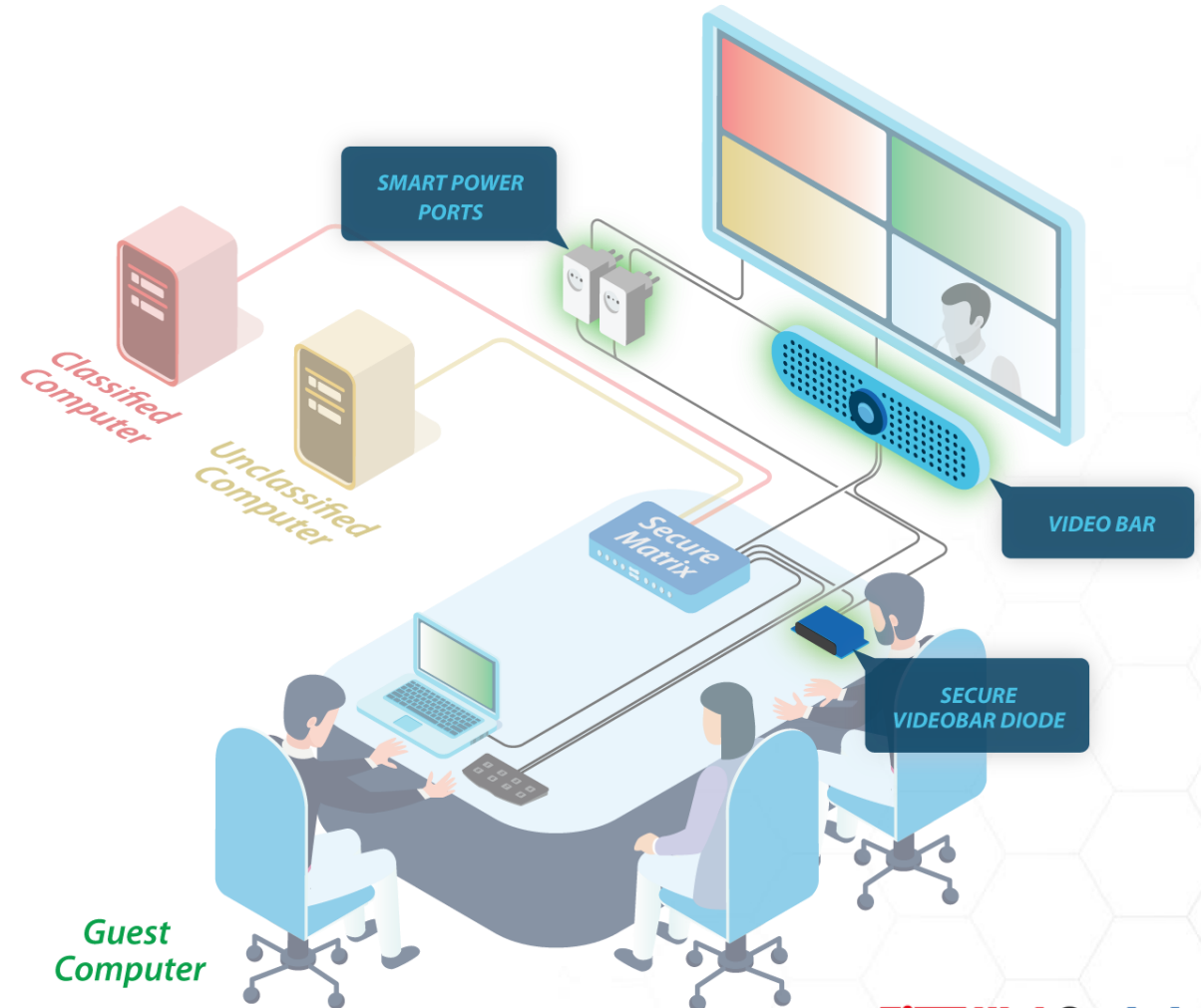
- **NIAP PP4.0 Certified KVM Switches**
 - Prevent data leakage between connected computers
 - Block unauthorized USB devices
- **Video Isolators and Videobar Diodes**
 - Strict unidirectional data transfer prevents leaks through shared media peripherals



ELIMINATE EAVESDROPPING

- **Securing Peripheral Media Devices**

- Use a secure video bar with no internal client or wireless connectivity (WiFi/Bluetooth)
- Control media vulnerabilities by remotely disabling power delivery.
- Normally closed Videobar Diode requires intentional activation to transmit media.



A man in a dark suit is seen from the side, looking at several computer monitors in a dimly lit room. The monitors display world maps and data. The text "A VULNERABLE MEETING ROOM" is overlaid on the left side of the image in large, white, bold, sans-serif capital letters.

A VULNERABLE MEETING ROOM

- Host devices are connected directly to the display and video bar.
- Media devices with internal memory can be used to transfer data between computers.
- Pressing 'mute' doesn't eliminate the threat of eavesdropping. Mics and even speakers can still listen in.

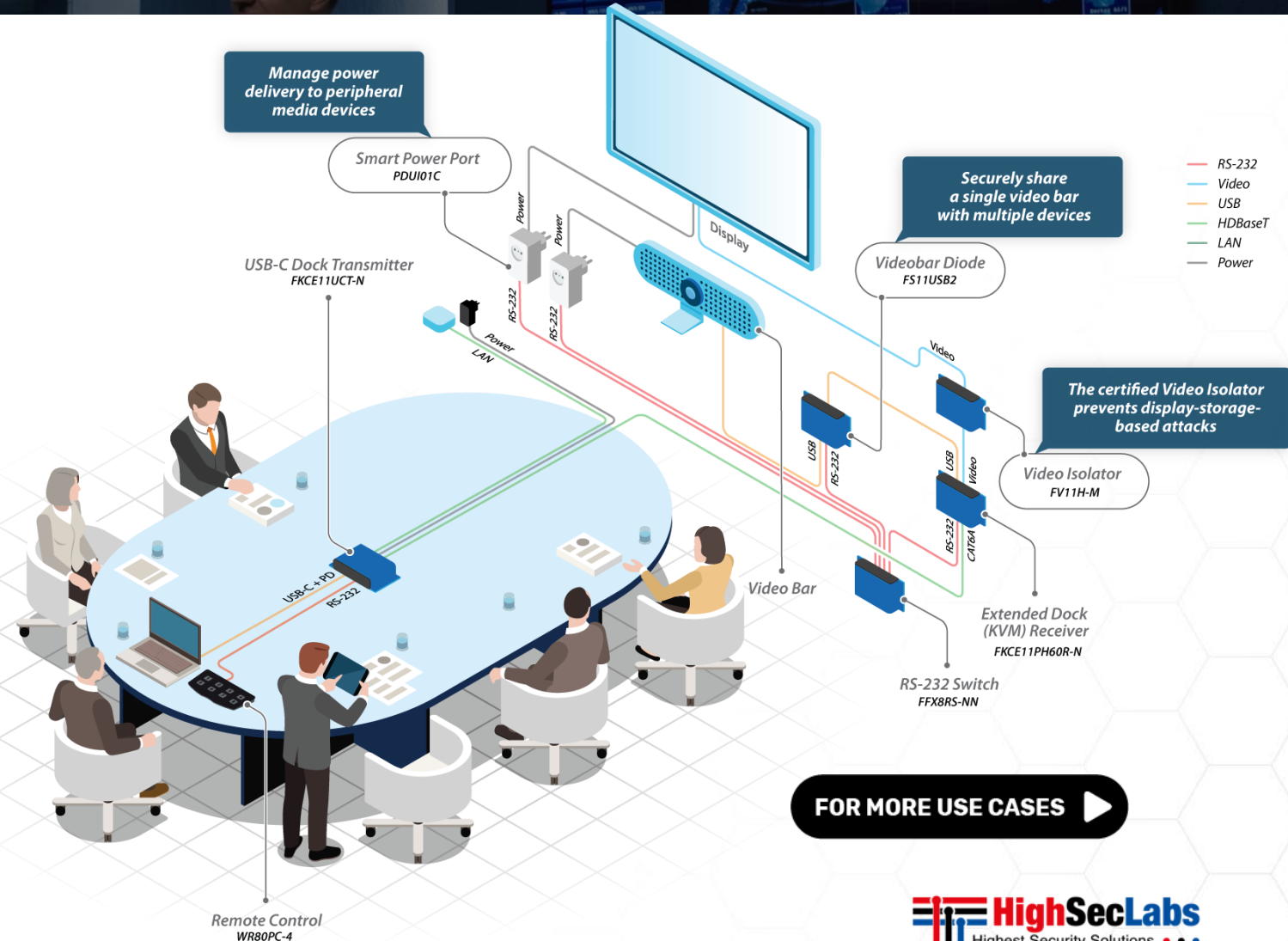


A SECURE MEETING ROOM

Manufactured under a secure
TAA/BAA compliant supply chain



- Guests Laptops are isolated from displays via NIAP certified Isolators
- The video bar is isolated from hosts via the video bar diode
- The video bar and displays power delivery can be cut when entering 'classified mode'
- Extenders and docks do not include WiFi or BT capabilities
- All products are TAA/BAA compliant



SOUNDSENTRY SOLUTION FAMILY OF SECURE DEVICES



**NIAP Certified Meeting
Room Presentation
Switches**



Remote Control



**NIAP Certified
Video Isolators**



**RS-232
Switch**



**Smart Power
Port**



**Uni-Directional Videobar
and Media Diodes**



**TAA\BAA USB-C Desktop
Docking Solutions**



**Extended Docking Stations
and KVM Extenders**



SOUNDSENTRY™ VIDEOBAR DIODE



Videobar Diode: safely share a single video bar with multiple hosts of different classification levels.

- Only video and audio channels run between the host and video bar
- Complete emulation - hosts are isolated from video bar
- All channels are converted to unidirectional data flows
- Low pass filter – prevents ultrasonic transmission of data
- Timer controlled, normally closed operation
 - Prevents inadvertent audio/video transmissions



SOUNDSENTRY™ ADVANCED KVM SWITCHES



- The entire family of HSL's secure KVM Switches is compatible with SoundSentry™ Secure Meeting Room Solutions.
- Recommended KVM models for SoundSentry™:
 - Mini-Matrix
 - Ultra Mini-Matrix
 - Combiner
- Supports up to two 4K displays at 30 Hz and up to 8 input sources
- NIAP PP4.0 certified for PSD
- Switch channels and display layouts with the push of a button using HSL's remote control.



SOUNDSENTRY™ SMART POWER PORT



Smart Power Port

- Remote RS-232 control enables the Smart Power Port to be switched on and off based on meeting security requirements:
 - Video conferencing
 - Display ON, video bar ON
 - Local presentation
 - Display ON, video bar OFF
 - Classified Meeting
 - Display OFF, video bar OFF
- Easy remote control, at the push of a button
- TAA compliant



LEARN MORE 

Smart Power Port

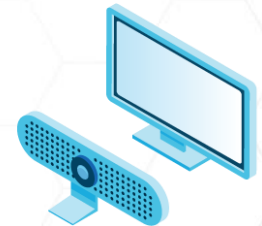
*Meeting Classification
Command*



*Smart Power
Port*



Power On/Off



SOUNDSENTRY™ RS-232 SWITCH



Manage multiple RS-232 devices using a single remote control.

Command Routing

The switch is a central command gateway

- Only approved commands pass through
- Blocks all other commands
- Eliminates risks of data breaches and device hacking.

Wired Safety

Commands from a remote-control are received over an RS-232 cable and forwarded to multiple devices over individual RS-232 cables.



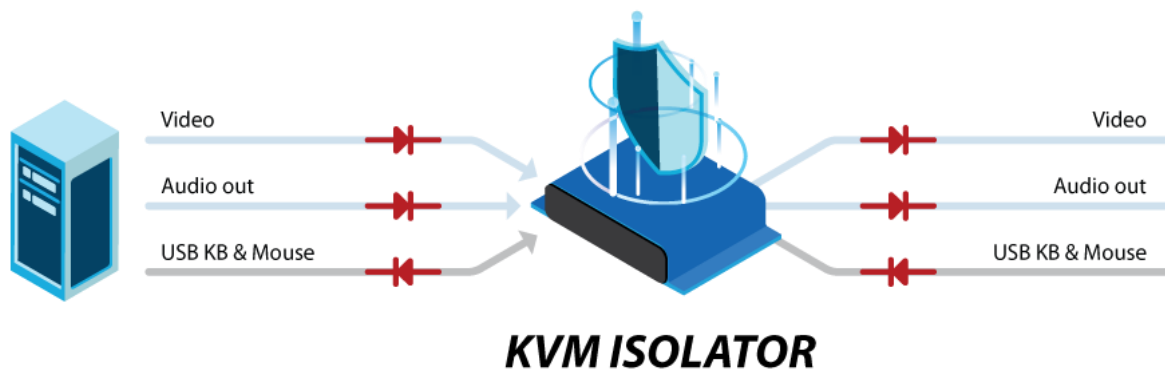
SOUNDSENTRY™

NIAP CERTIFIED KVM/VIDEO ISOLATORS



Secure, NIAP PP4.0 Certified Isolators enforce unidirectional flows of filtered computer video and USB data.

Isolators ensure that only permitted data is transferred from the source to its destination, preventing shared peripherals from compromising network security.

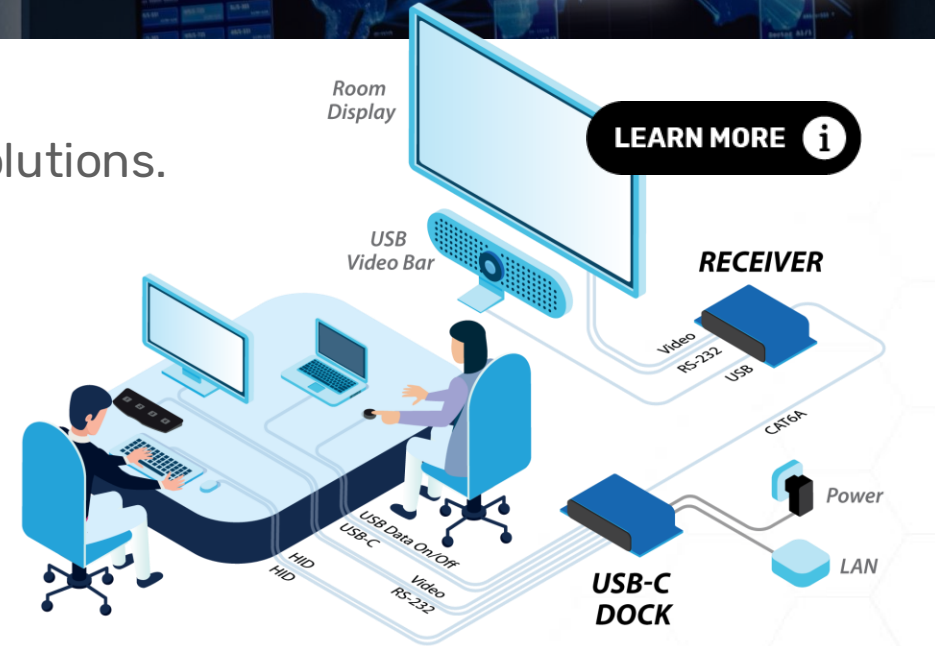


SOUNDSENTRY™

DESKTOP & EXTENDED USB-C DOCKING SOLUTIONS



- Complete TAA and BAA compliant docking and extension solutions.
- No wireless or radiating components.
- **Docking Functionality** - Power Delivery charging of the connected device while providing access to peripherals via a single USB-C connection.
- **Extension** - Extenders facilitate placing the KVM switch and peripherals wherever convenient.



KVM Extenders



USB-C Extended Docking



USB-C Docking Station



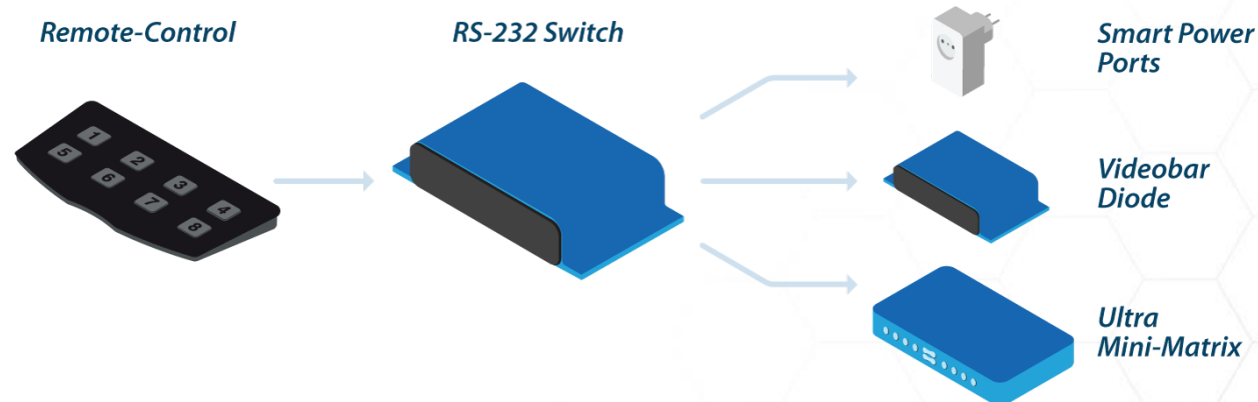
USB-C Cables

SOUNDSENTRY™ REMOTE CONTROLS



SoundSentry compatible remote controls

- Activate the desired meeting sensitivity mode with the push of a button:
 - Videoconference
 - Local Meeting
 - Classified meeting
- Invoke display layout presets with the push of a button.
- Cascade remotes to support any installation, regardless of size.





Use Cases

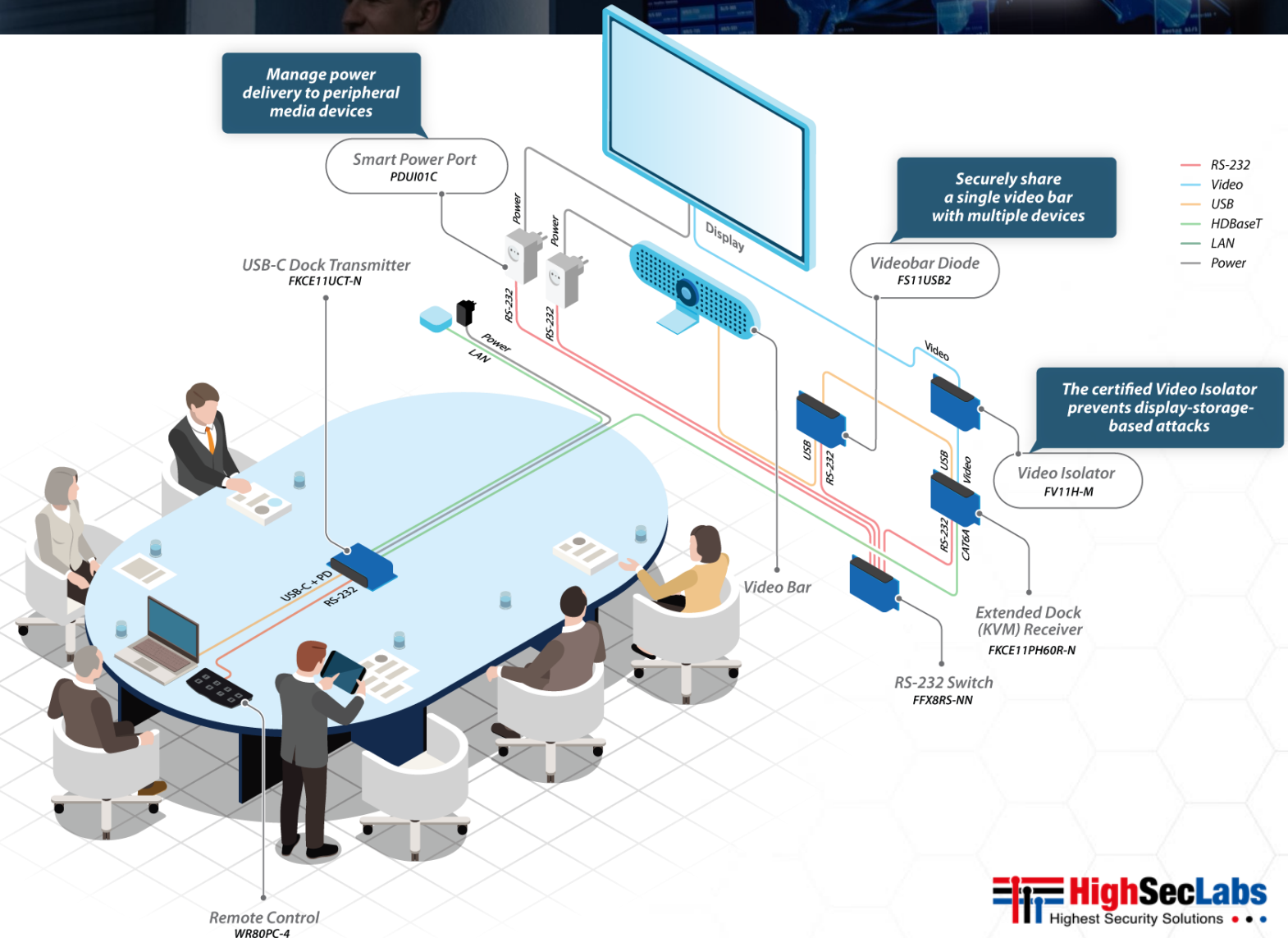
SoundSentry™ is a flexible solution that protects all types of meeting rooms

SECURE MEETING ROOM

Manufactured under a secure
TAA/BAA compliant supply chain



Meeting rooms are equipped for seamless collaboration, but display and video bar vulnerabilities turn those peripherals into proxies for data extraction, malware injection, and eavesdropping.



SECURE MEETING ROOM WIRING DIAGRAM

	Product	Model	Qty
❶	Remote Control	WR80PC-4	1
❷	Dock Extender Tx	FKCE11UCT-N	1
❸	Dock Extender Rx	FKCE11PH60R-N	1
❹	Video Isolator	FV11H-M	1
❺	Videobar Diode	FS11USB2	1
❻	RS232 Switch	FFX8RS-NN	1
❼	Smart Power Port	PDUI01C	2

— RS232
 — Video
 — USB
 — HDBaseT
 — LAN
 — Power

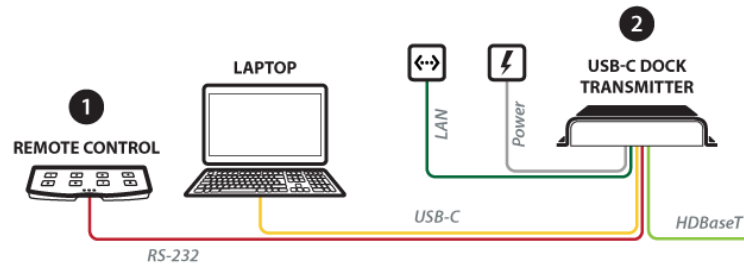
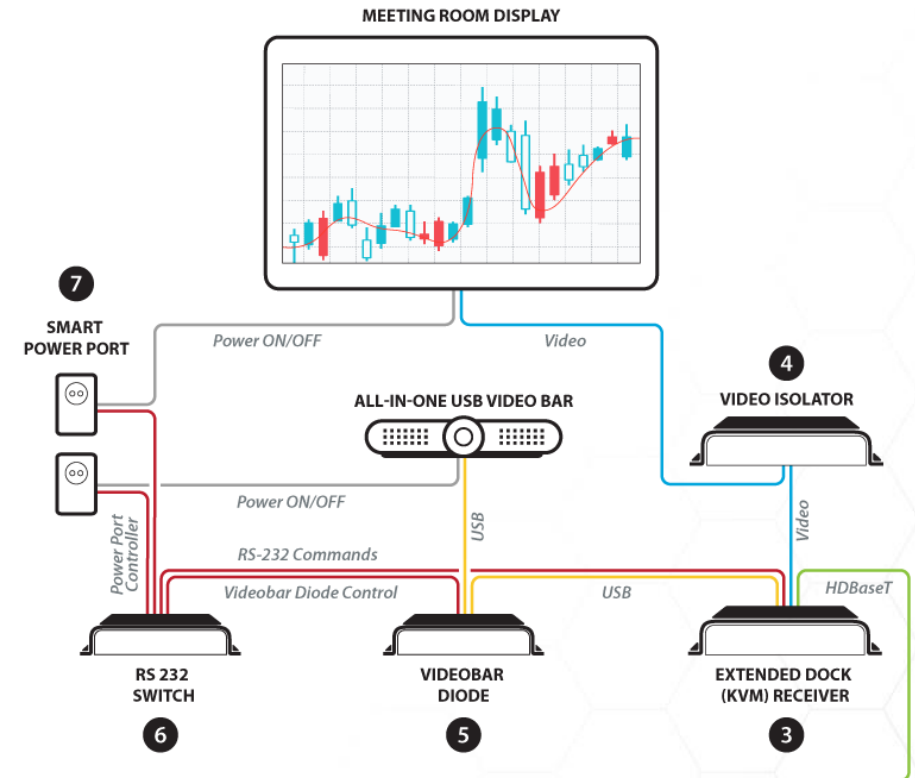


TABLE SIDE

WALL SIDE

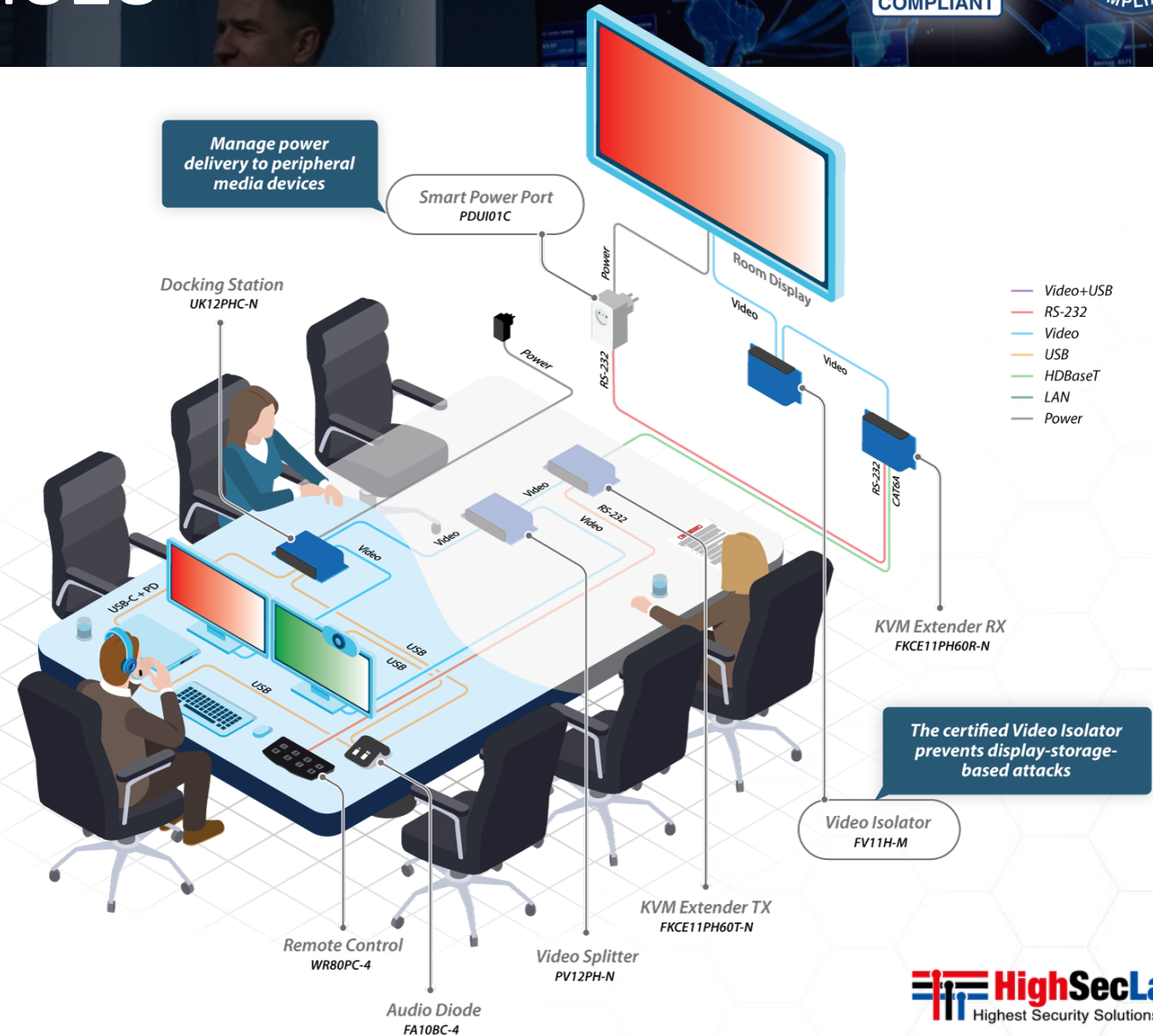


SECURE BASIC EXECUTIVE OFFICES

Manufactured under a secure
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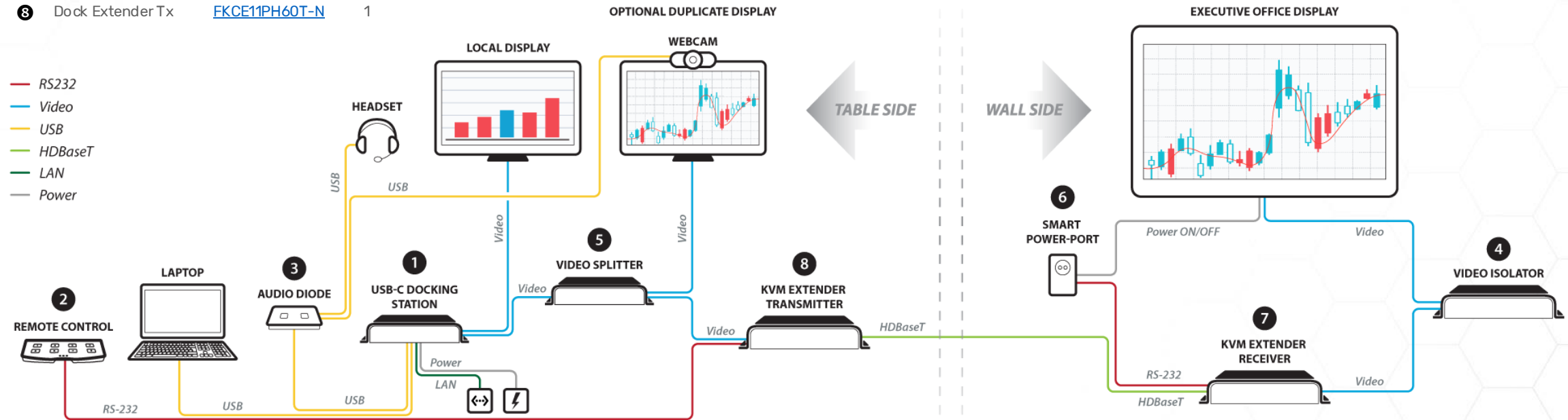


Executive-office security focuses on blocking guest devices. However, the executive's own tech (multiple monitors, a webcam, and a headset) introduces vulnerabilities for data breaches and eavesdropping.



SECURE BASIC EXECUTIVE OFFICE WIRING DIAGRAM

	Product	Model	Qty
❶	Docking Station	UK12PHC-N	1
❷	Remote Control	WR80PC-4	1
❸	Audio Diode	FA10BC-4	1
❹	Video Isolator	FV11H-M	1
❺	Video Splitter	PV12PH-N	1
❻	Smart Power Port	PDU101C	1
❼	Dock Extender Rx	FKCE11PH60R-N	1
❽	Dock Extender Tx	FKCE11PH60T-N	1



SUMMARY

- **TAA/BAA** compliant products
- An end-to-end secure and trusted supply chain
- A comprehensive solution, tailored to any meeting environment





Thank You

For more info:



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