UNCLASSIFIED

SoundSentry™

SECURE MEETING ROOM SOLUTIONS

A comprehensive solution for effectively conducting sensitive meetings without the risks of eavesdropping and data breaches

HLT35072 Rev 1.2

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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?

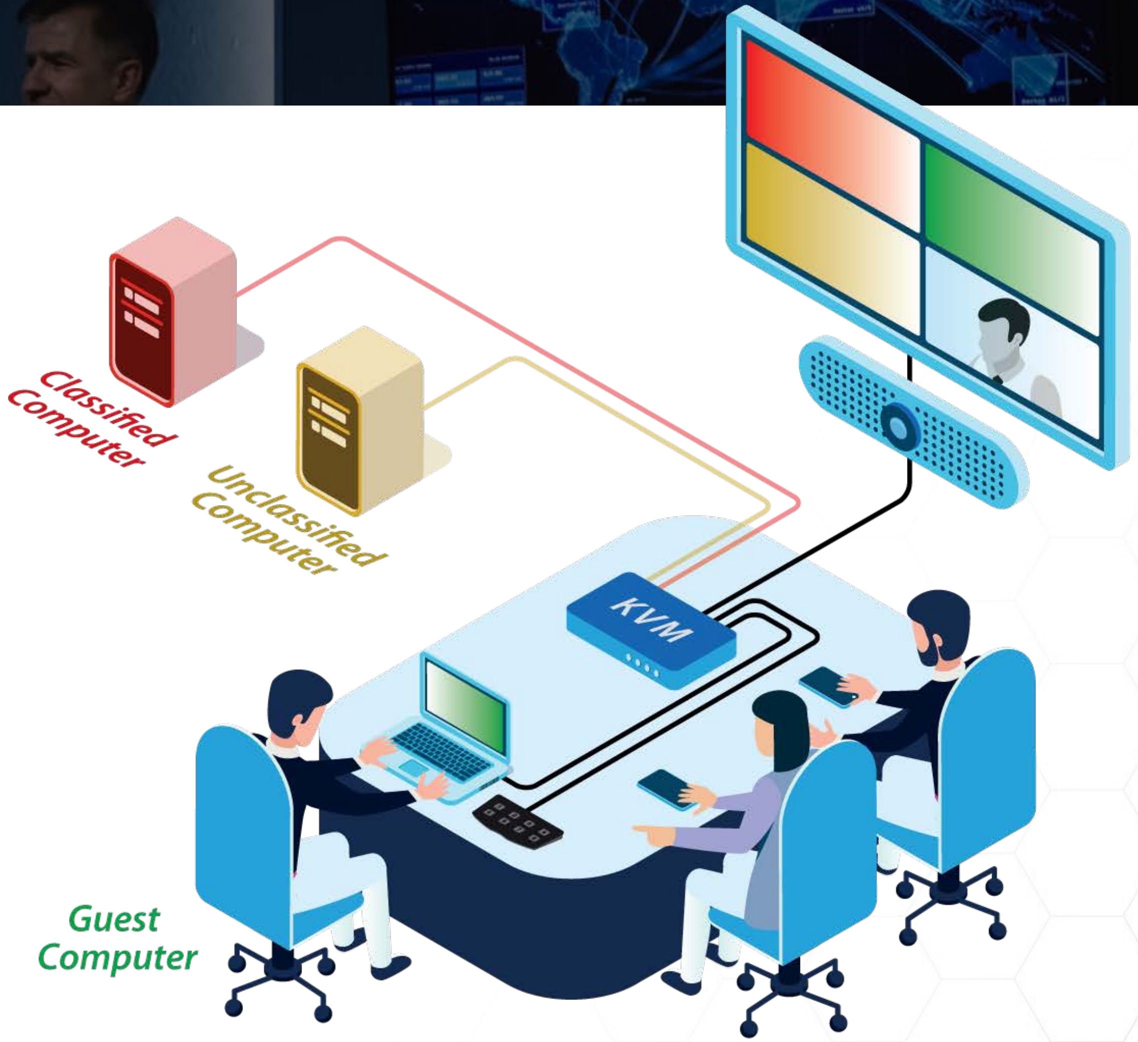
A **secure** meeting room is a space where meetings at different classifications are being held either at the same time or different times.

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.



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THE SOUNDSENTRY™ SOLUTION

The **SoundSentry** family is a comprehensive solution for conducting classified and unclassified meetings using the same room, 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.

SOUNDSENTRY SOLUTION
FAMILY OF SECURE DEVICES

Videobar

Remote Control

AQB

NIAP Certified Video Isolators

RS-232 Switch

Smart Power Port

NIAP Certified Meeting Room Presentation Switches

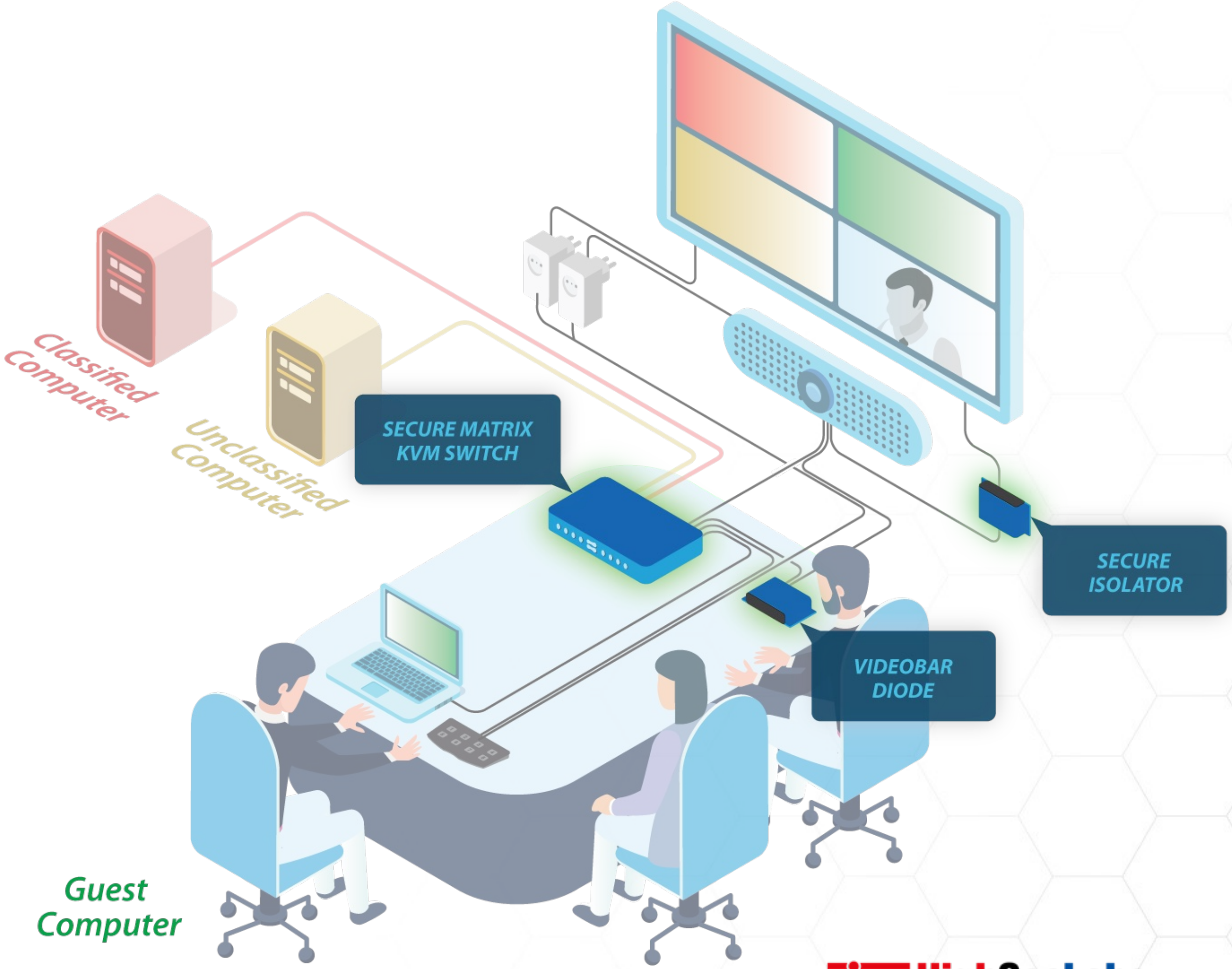
Uni-Directional Videobar and Media Diodes

TAA\BAA USB-C Desktop Docking Solutions

Extended Docking Stations and KVM Extenders

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
- **Guest Device Security**
  - Isolated connectivity for guest devices



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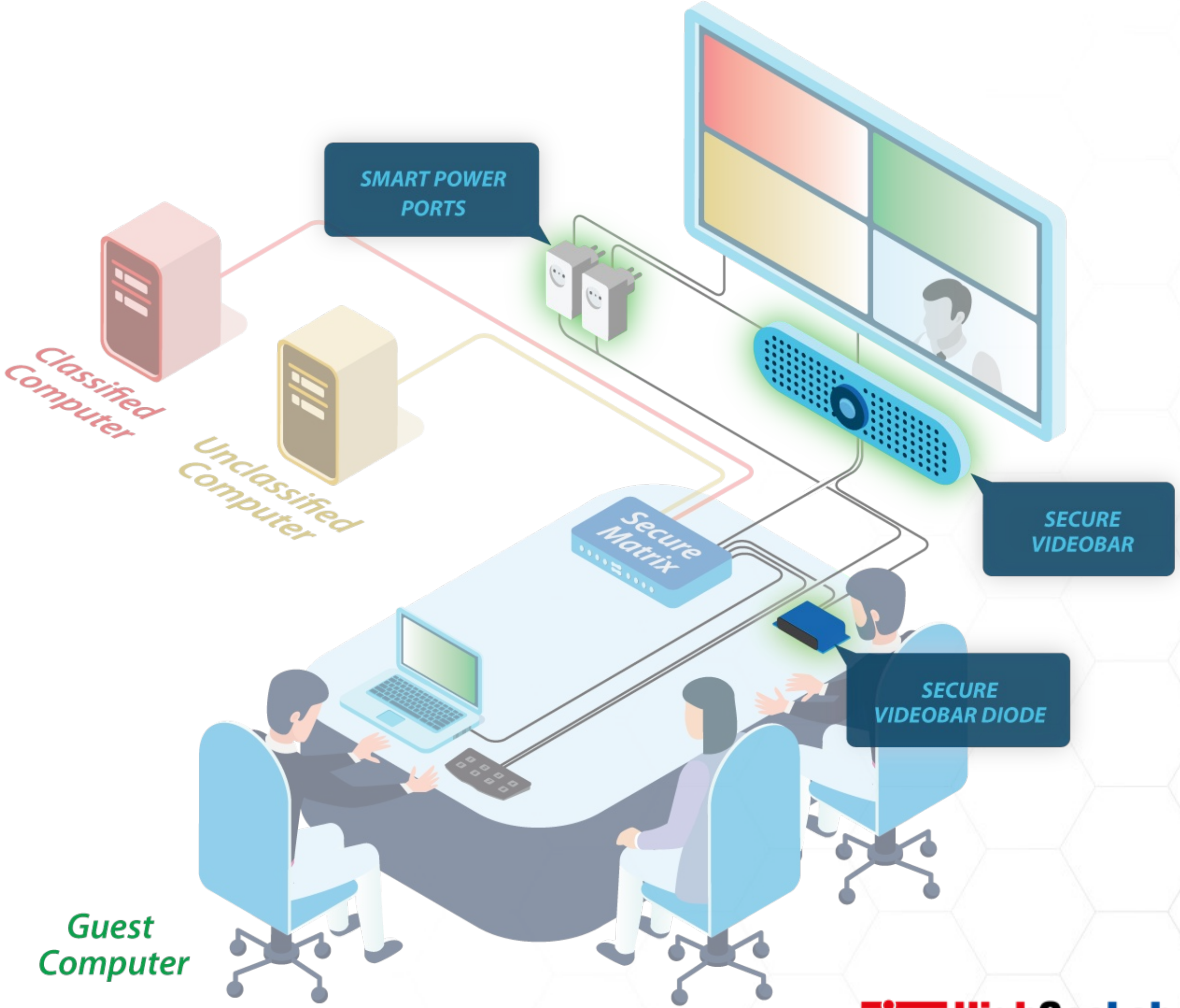
ELIMINATE EAVESDROPPING

- **Securing Peripheral Media Devices**
  - Use a secure videobar 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.



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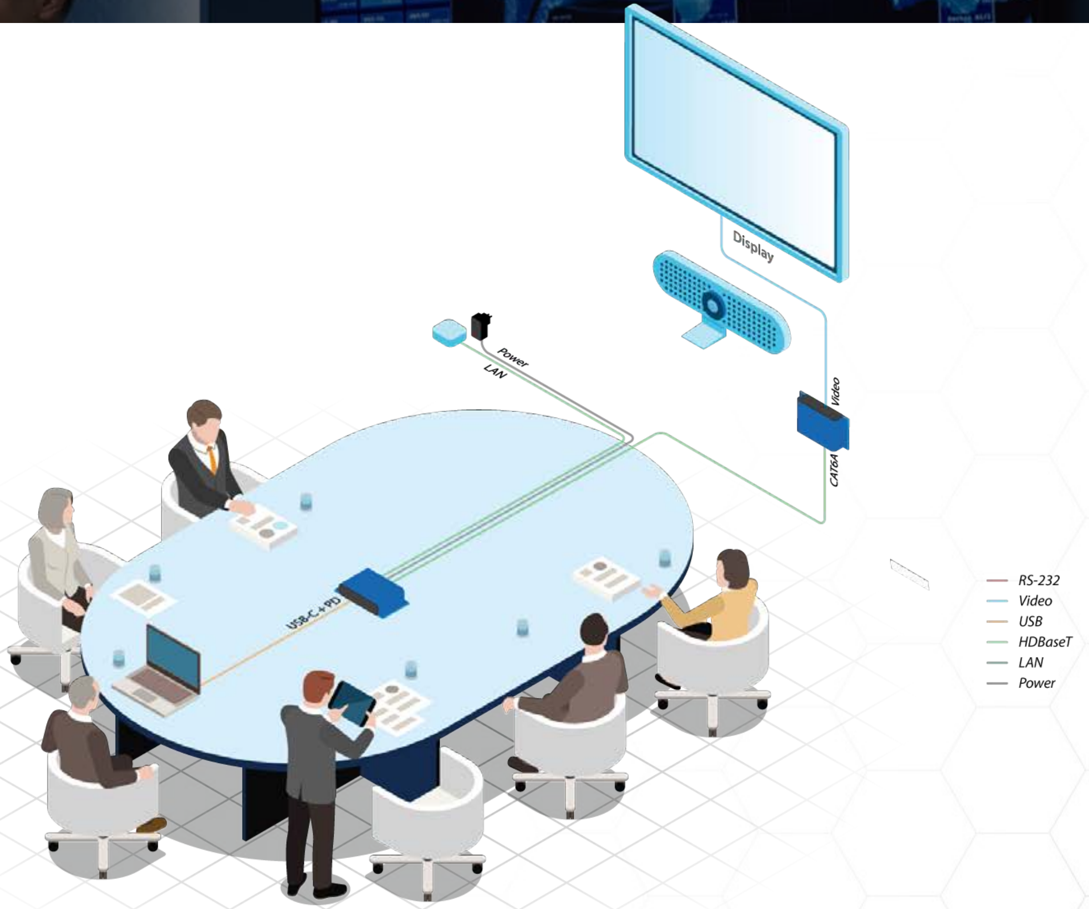
A **VULNERABLE** MEETING ROOM

BYOD setups are vulnerable to cyberthreats because of shared peripherals.

- Host devices are connected directly to the display and Videobar.
- 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.



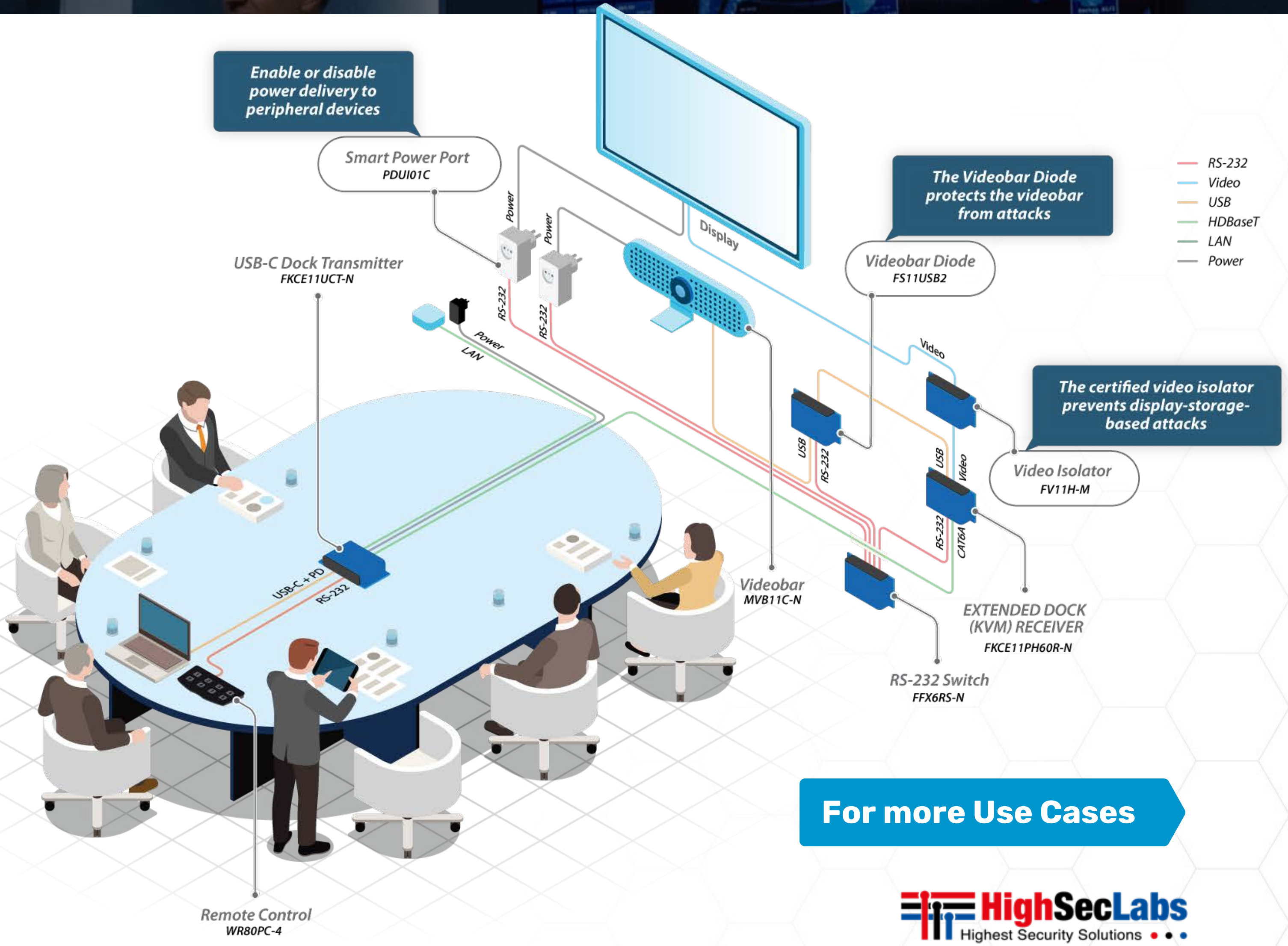
A **SECURE** MEETING ROOM

Manufactured under a secure TAA/BAA compliant supply chain

BAA COMPLIANT

TRADE AGREEMENTS ACT TAA COMPLIANT

- Guests Laptops are isolated from displays via NIAP certified Isolators
- The Videobar is isolated from hosts via the Videobar diode
- The Videobar 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


Enable or disable power delivery to peripheral devices

The Videobar Diode protects the videobar from attacks

The certified video isolator prevents display-storage-based attacks

For more Use Cases

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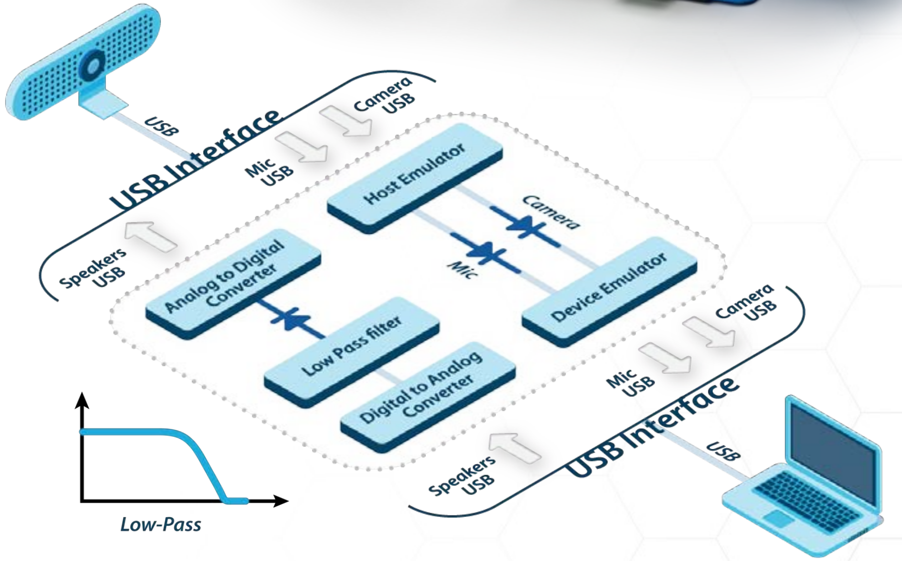
SOUNDSENTRY™
VIDEOBAR DIODE

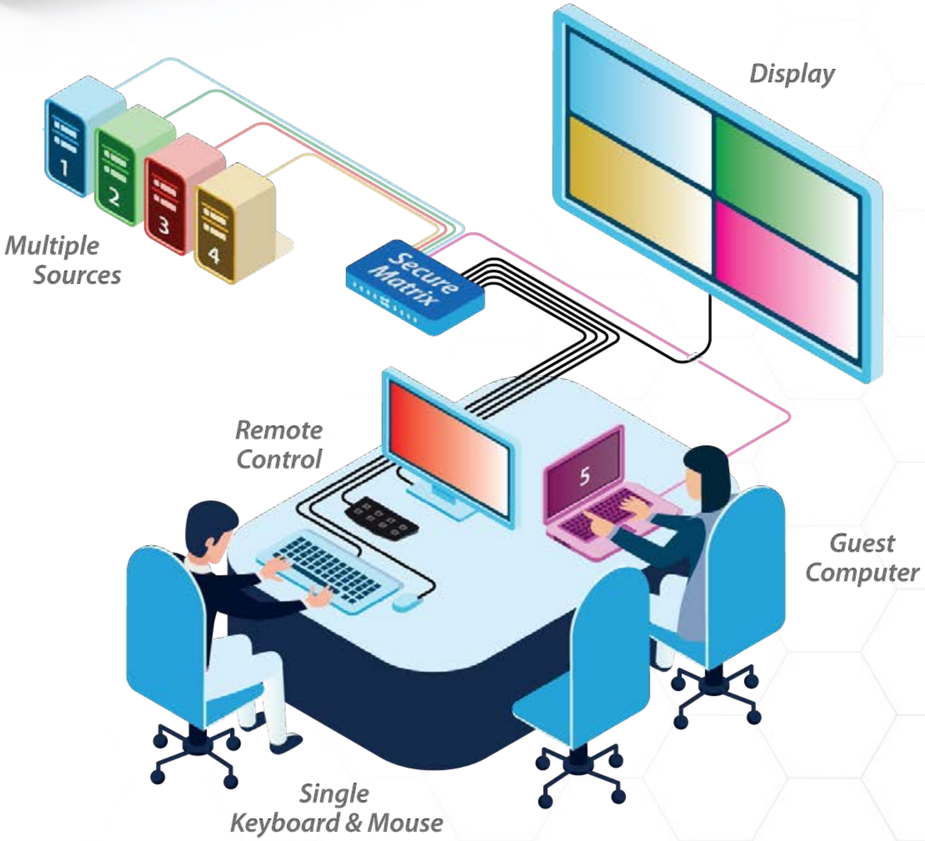
The Videobar Diode allows safely sharing a single Videobar with multiple hosts.

- Only video and audio channels run between the host and Videobar
- Complete emulation - hosts are isolated from Videobar
- 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.

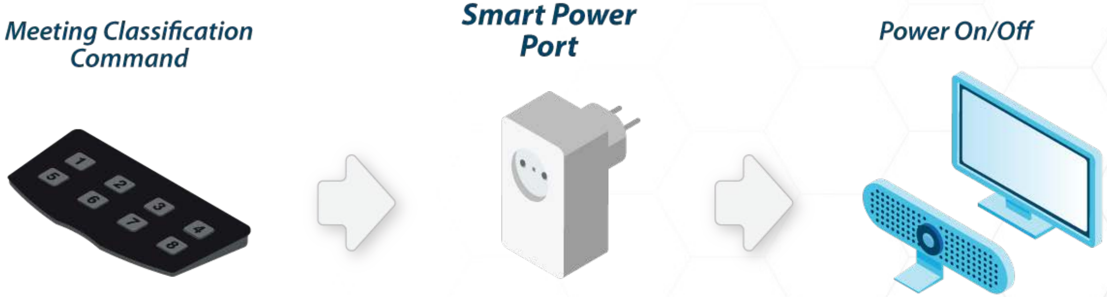


SOUNDSENTRY™
SMART POWER PORT

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, Videobar ON
  - Local presentation
    - Display ON, Videobar OFF
  - Classified Meeting
    - Display OFF, Videobar OFF
- Easy remote control, at the push of a button
- TAA compliant

Smart Power Port



SOUNDSENTRY™
RS-232 SWITCH

BAA COMPLIANT

TRADE AGREEMENTS ACT
TAA
COMPLIANT

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

Command Routing

The switch is a central command gateway

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

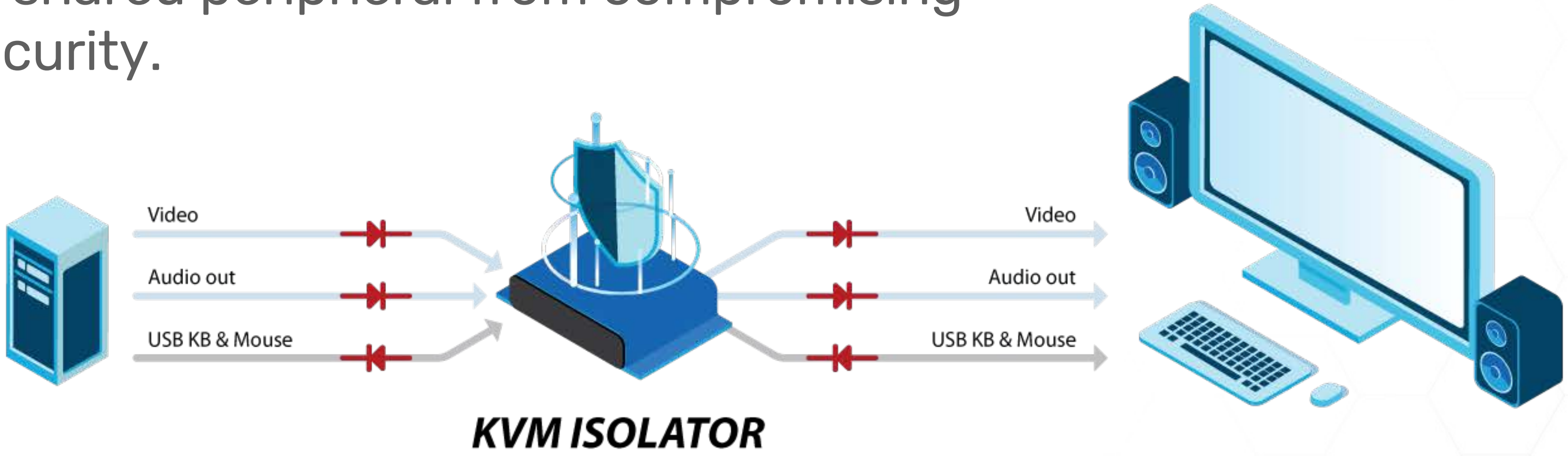
Wired Safety

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.

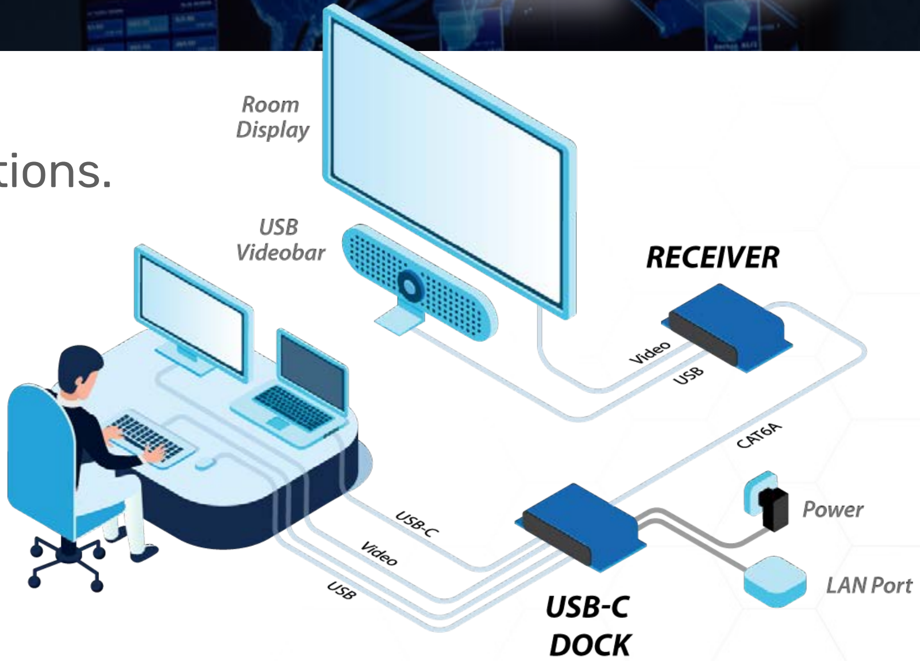
The Isolator ensures that only permitted data is transferred from the source to its destination, preventing shared peripheral from compromising network security.



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

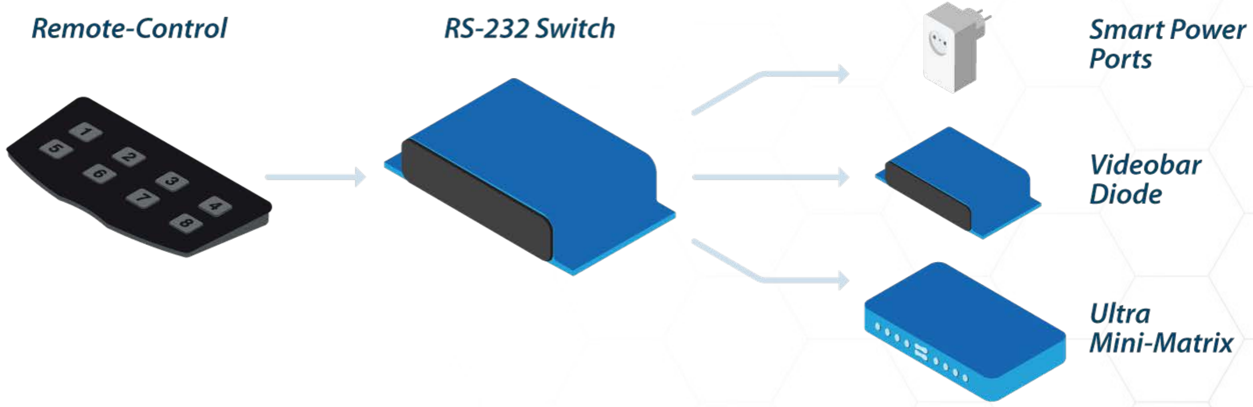
SOUNDSENTRY™ REMOTE CONTROLS

BAA COMPLIANT

TRADE AGREEMENTS ACT TAA COMPLIANT

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.



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SOUNDSENTRY™ VIDEOBAR

BAA COMPLIANT

TRADE AGREEMENTS ACT TAA COMPLIANT

Risks associated with Soundbars and Videobars:

- Confidential discussions can be recorded when the device is powered
- Data can be stored on the device's internal memory and extracted
- Malicious code can infect connected devices through wireless connectivity

- **SoundSentry Videobar**
  - Wired-only connectivity – no wireless access
  - No battery back-up. Power cycling, including when KVM switches channels, deletes all volatile internal data
  - Secure Boot with locked (OTP) firmware image prevents modifying the Videobar's behavior
  - Manufactured in secure facilities with end-to-end supply chain security.

Videobar

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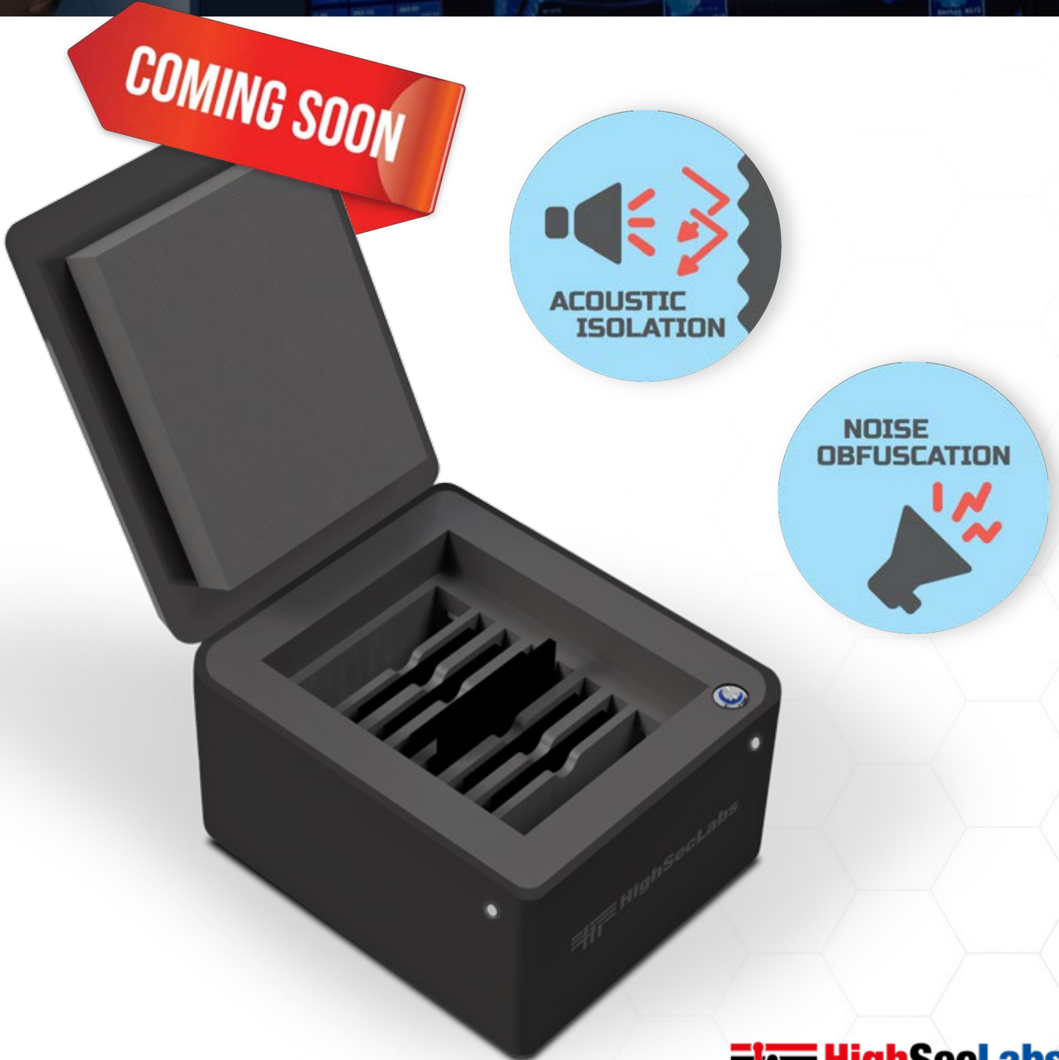
SOUNDSENTRY™
AQB (Active Quiet Box)

BAA COMPLIANT

TRADE AGREEMENTS ACT TAA COMPLIANT

- Prevents smartphones from eavesdropping on conversations and recording or transmitting them to an outside source.
- **Anechoic chamber** provides physical acoustic isolation
- **Noise obfuscation** floods smartphone microphones with unintelligible conversation noise.
- Keep phones in the meeting room rather than leaving them unattended outside



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Use Cases

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

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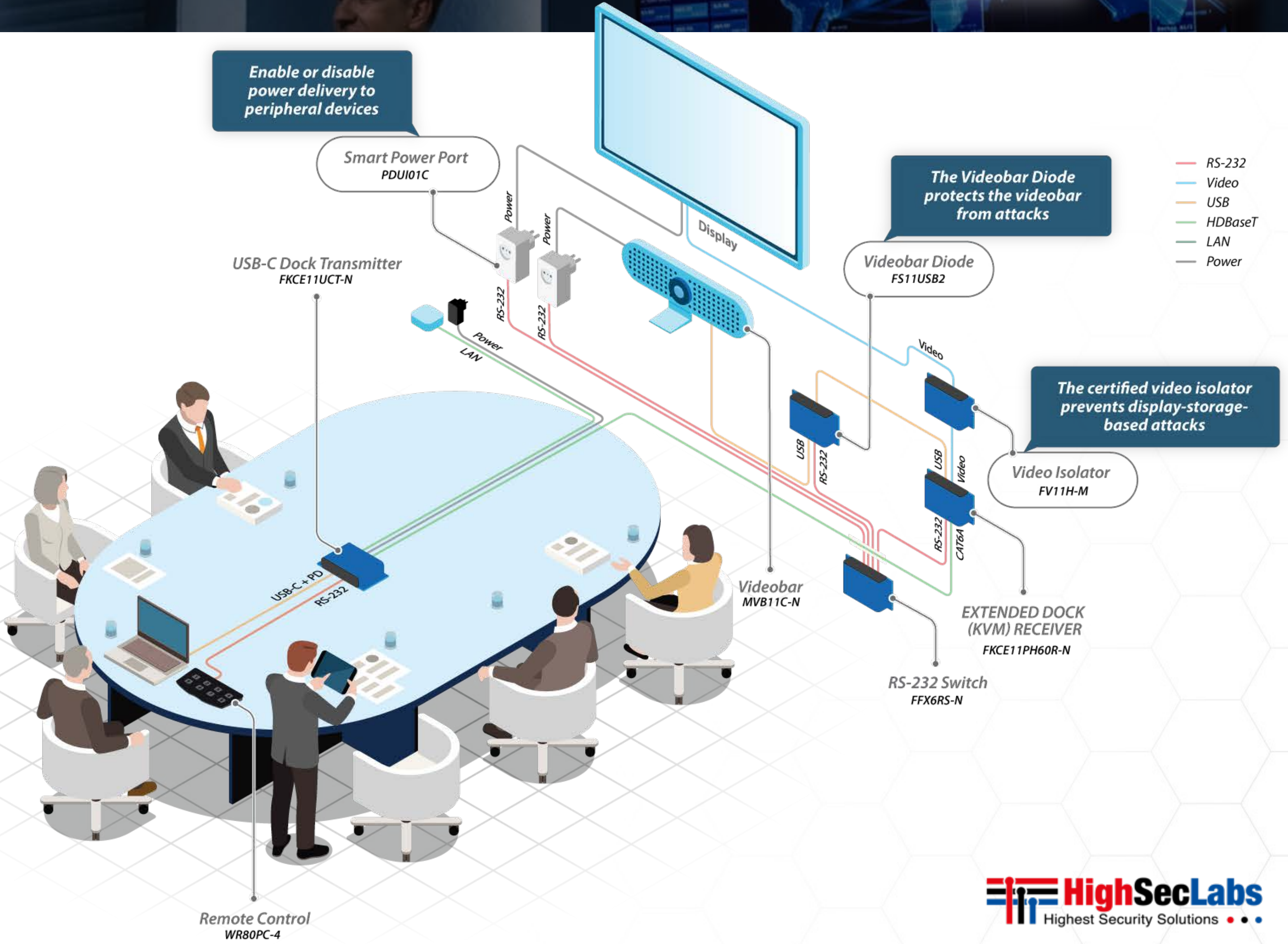
SECURE MEETING ROOM

Manufactured under a secure TAA/BAA compliant supply chain

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



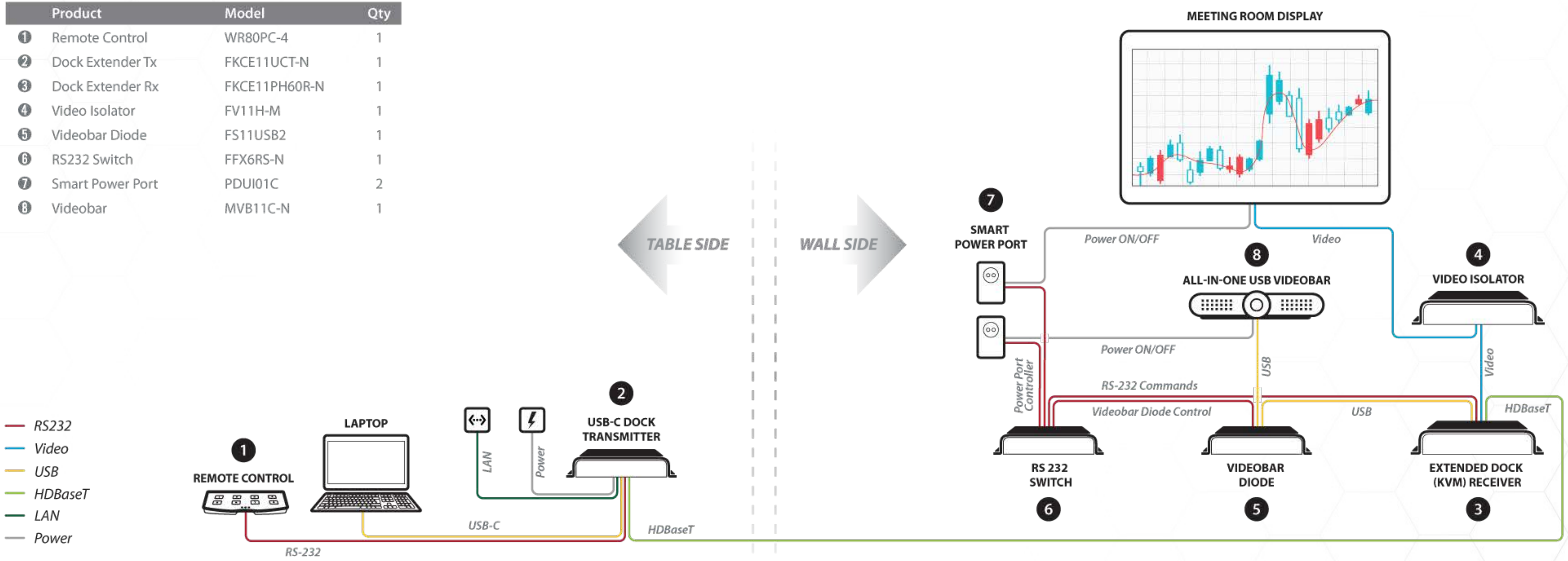
Enable or disable power delivery to peripheral devices

The Videobar Diode protects the videobar from attacks

The certified video isolator prevents display-storage-based attacks

SECURE
MEETING ROOM WIRING DIAGRAM

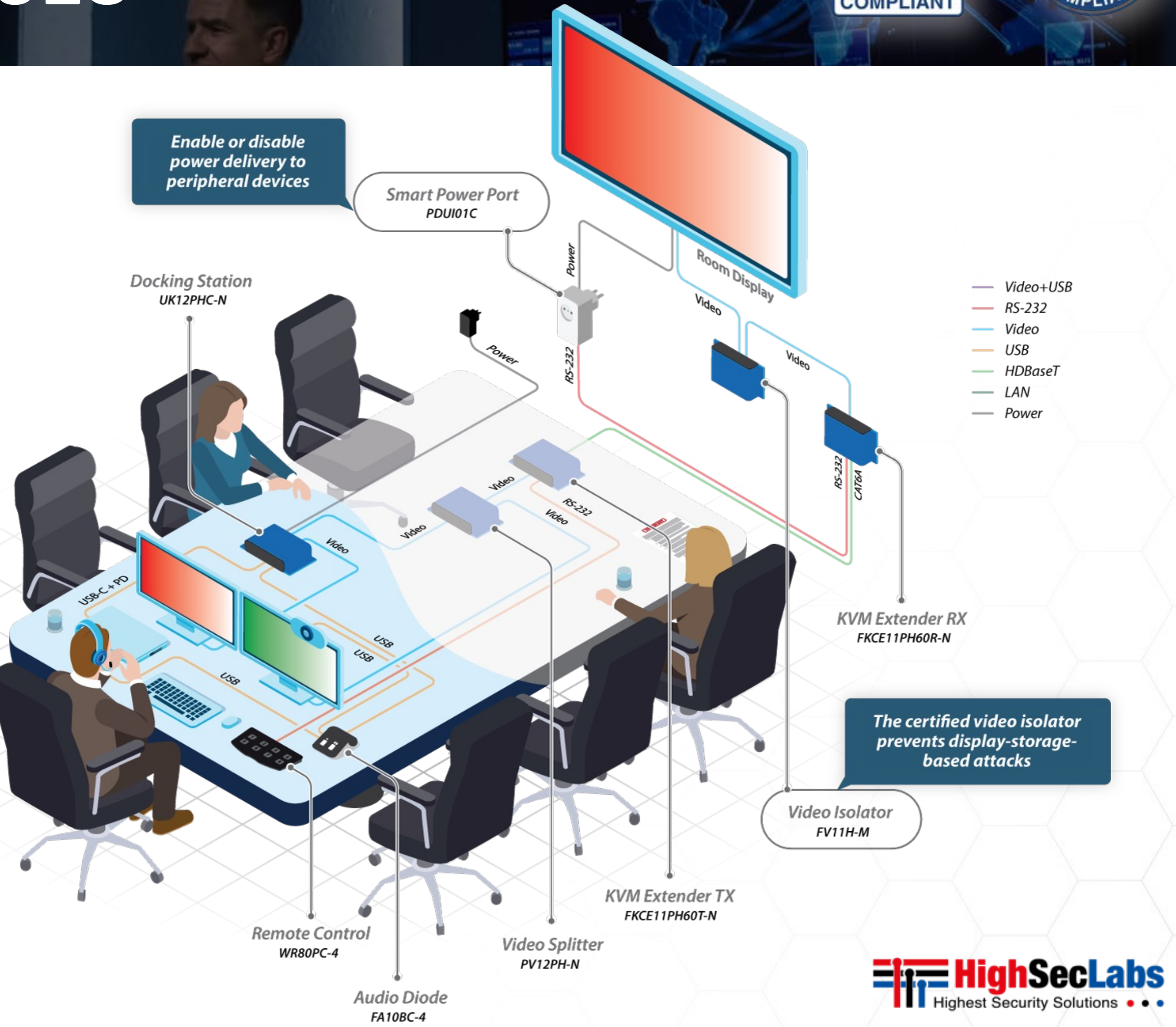
	Product	Model	Qty
❶	Remote Control	WR80PC-4	1
❷	Dock Extender Tx	FKCE11UCT-N	1
❸	Dock Extender Rx	FKCE11PH60R-N	1
❹	Video Isolator	FV11H-M	1
❺	Videobar Diode	FS11USB2	1
❻	RS232 Switch	FFX6RS-N	1
❼	Smart Power Port	PDUI01C	2
❽	Videobar	MVB11C-N	1



SECURE
BASIC EXECUTIVE OFFICES

Manufactured under a secure TAA/BAA compliant supply chain

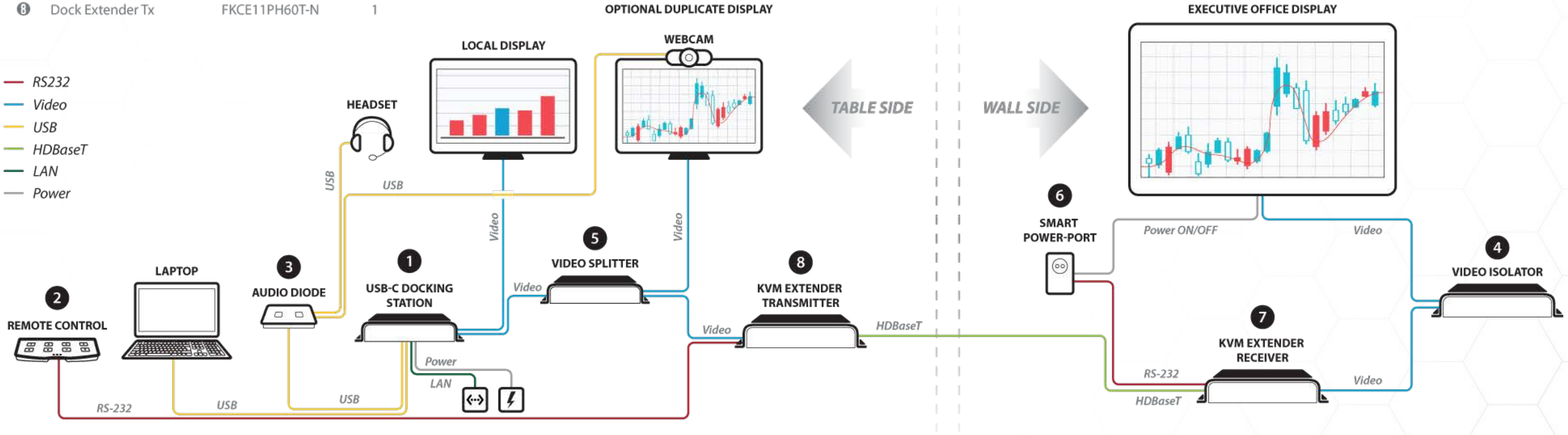
Executive-office security focuses on blocking guest devices. However, the executive's own tech (multiple monitors, a webcam, and a headset) introduces vulnerabilities for data breaches and eavesdropping.



SECURE

BASIC EXECUTIVE OFFICE WIRING DIAGRAM

	Product	Model	Qty
1	Docking Station	UK12PHC-N	1
2	Remote Control	WR80PC-4	1
3	Audio Diode	FA10BC-4	1
4	Video Isolator	FV11H-M	1
5	Video Splitter	PV12PH-N	1
6	Smart Power Port	PDUI01C	1
7	Dock Extender Rx	FKCE11PH60R-N	1
8	Dock Extender Tx	FKCE11PH60T-N	1



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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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