HighSecLabs
Highest Security Solutions • • • Ltd.

SECURE VIDEO ISOLATOR

For increased security and isolation, HSL Video Isolators Products Family assures unidirectional flow of video with no return channel.

The secure isolator prevents vulnerable peripherals and computers from attacking secure devices by ensuring video flow in a single direction without any back channel. By preventing host-to-peripheral direct access, the secure isolator eliminates data leakage and filtering irrelevant data from reaching sensitive computers. The Isolator is designed to provide the highest possible computer & peripheral isolation as demanded by government agencies, military, financial institutions and similar security sensitive customers.
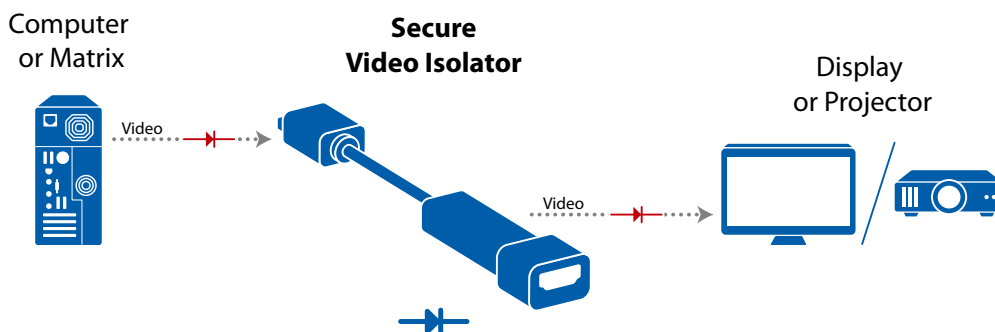
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Video matrix, shared displays and projectors are all vulnerable to cyber-attacks. Sharing peripherals such as displays between computers or video sources from different networks is a weakness that can be exploited by attackers. Malicious code and information originating from one network can be transferred via a shared peripherals to a different network.

Secure meeting or control rooms are often requiring the ability to combine sources having different classification levels into one display solution. For example, projector or a matrix in a meeting room which requires unsupervised guest laptop to be used in presentations or Video Matrixes in control rooms combining classified information with internet or television sources.

The secure Isolators were designed to meet the requirements of organizations that are challenged by the need to provide secret or top-secret network access together with unclassified or internet access.

PRODUCT HIGHLIGHTS

- **Highest security by design**
  Designed to support isolation of large KVM matrix and conference room equipment.

- **Hardware Based peripheral protection/isolation**
  Absolutely no dependency on firmware or software.

- **All firmware is in ROM (Read Only Memory).**

- **Display Plug & Play (EDID) protection**
  Fixed EDID module, Preventing any EDID negotiation. Leakage prevention through patented emulated technology. Signalling attacks prevented by design.

- **Tamper Evident Label**
  Special holographic tampering evident labels on the product's enclosure provide a clear visual indication if the product has been opened or compromised.

Computer or Matrix — Video — **Secure Video Isolator** — Video — Display or Projector

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SPECIFICATION

PART NUMBER	FV11HH-MM	FV11PH-MM	FV11HP-MM	FV11PP-MM
CONSOLE PORTS				
Displays	1 x HDMI	1 x HDMI	1 x DP	1 x DP
Max Resolution (Input & Output)	1920X1080 @ 60Hz / 1920X1200 @ 60Hz / 3840X2160 @ 30Hz / 3440X1440 @ 30Hz (Selected by DIP Switch)			
COMPUTER PORTS				
Display Type	1 x HDMI	1 x DP	1 x HDMI	1 x DP
PHYSICAL				
Dimensions	22 (W) x 180 (D) x 14 (H) mm / 0.86 (W) x 7.0 (D) x 0.55 (H) inch			
Weight	250 gr / 0.55 lb			
POWER				
Power Requirements	Powered by HDMI or Display Port			
ENVIRONMENTAL				
Operating Temperature	32° to 104° F (0° to 40° C)			
Storage Temperature	-4° to 140° F (-20° to 60° C)			
Humidity	20 to 80% non condensing; Storage – 10 to 90% non condensing			
SOFTWARE				
Supported OS	Windows, Linux, Mac			
GENERAL INFO				
Product life-cycle	10 years			
Warranty	2 Years			

FV11HH-MM

FV11HP-MM
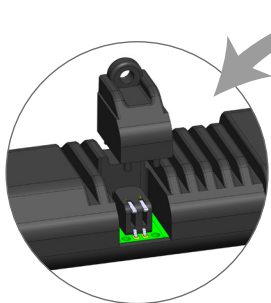
DIP Switch for EDID Select

FV11PH-MM

FV11PP-MM