



# SECURED KVM SOLUTIONS

PHYSICAL LAYER SECURITY



# THE PHYSICAL LAYER

LEFT UNPROTECTED AND EXPOSED  
TO CYBER ATTACKS

Resource, data sharing and real-time collaboration are all essential components of the global work environment, but they also expose organizations to cyber attacks and data leakage. The physical layer is threatened by inside and outside attacks.



## EXTERNAL THREATS

Even if network and data channels are protected, the video channel can remain exposed. Destructive code installed into legitimate video frames can disable computers and even compromise an entire network.

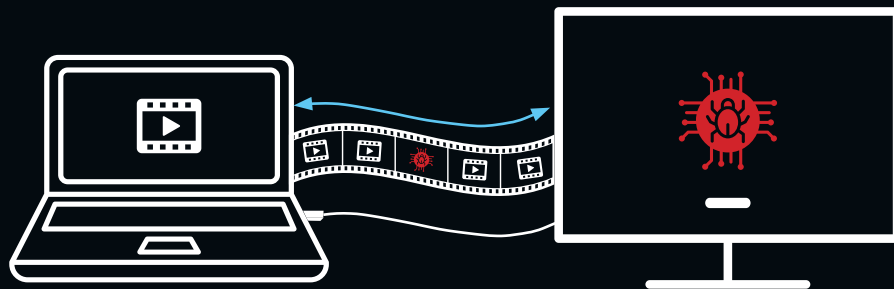


## INTERNAL THREATS

Shared peripherals are essential for an optimal user experience but can also lead to potential data leakage at points where isolated networks interface.

# VIDEO

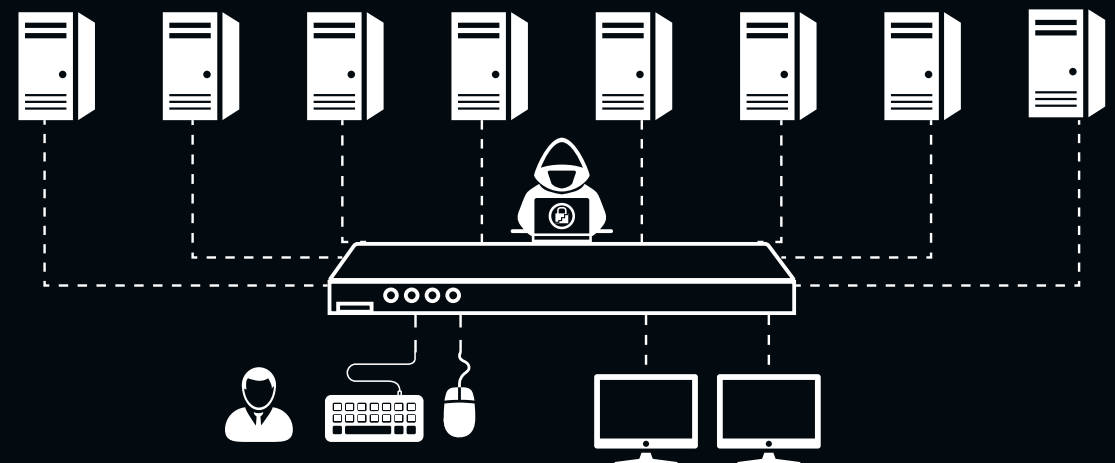
## THE BACK DOOR TO YOUR NETWORK



**VIDEO FRAMES (HDMI / DISPLAY PORT)**  
**INCLUDE INTEGRATED BI-DIRECTIONAL DATA LINES.**  
Malware embedded into video frames can disable computers or compromise an entire network by turning a breached display into a launchpad for a broader attack.

Applications such as command and control, borders control, intelligence, and banking require interaction between multiple displays and sources at a variety of security levels. Shared peripherals are essential for an optimal user experience but can also lead to potential leakage between highly-isolated networks

Fibernet's secured KVM's maintain full isolation of the data and video path between peripherals and multiple networks to prevent cyber-attacks and data leakage



# THE RIGHT SOLUTION

MAKES ALL THE DIFFERENCE



## UNIDIRECTIONAL COMMUNICATION

Blocks cyber attacks on the video channel.



## COMPLIES WITH INTERNATIONAL SECURITY STANDARDS

Meets NIAP's Common Criteria standards.



## FULLY ISOLATED INDEPENDENT DATA CHANNELS

Block data leakage between isolated networks.



## PLUG & PLAY

Intuitive and user friendly, no configuration required.

Fibernet offers verity of secured KVM and AV solutions for both local and remote installations. The KVM's with HDMI and Display Port inputs and outputs are the ultimate solution for local installations and support up to 16 sources. For remote distributed installations Fibernet offers HDMI and Display Port over Fiber Optic or IP supporting any number of sources and displays.

