

# Secure KVM Isolators



**Models:**

- FV11D-M - Secure DVI-I Video Isolator
- FV11H-M - Secure HDMI Video Isolator
- FV11PH-M - Secure DP/HDMI Video Isolator

- FI11D-M - Secure DVI-I KVM Isolator
- FI11H-M - Secure HDMI KVM Isolator
- FI11PH-M - Secure DP/HDMI KVM Isolator

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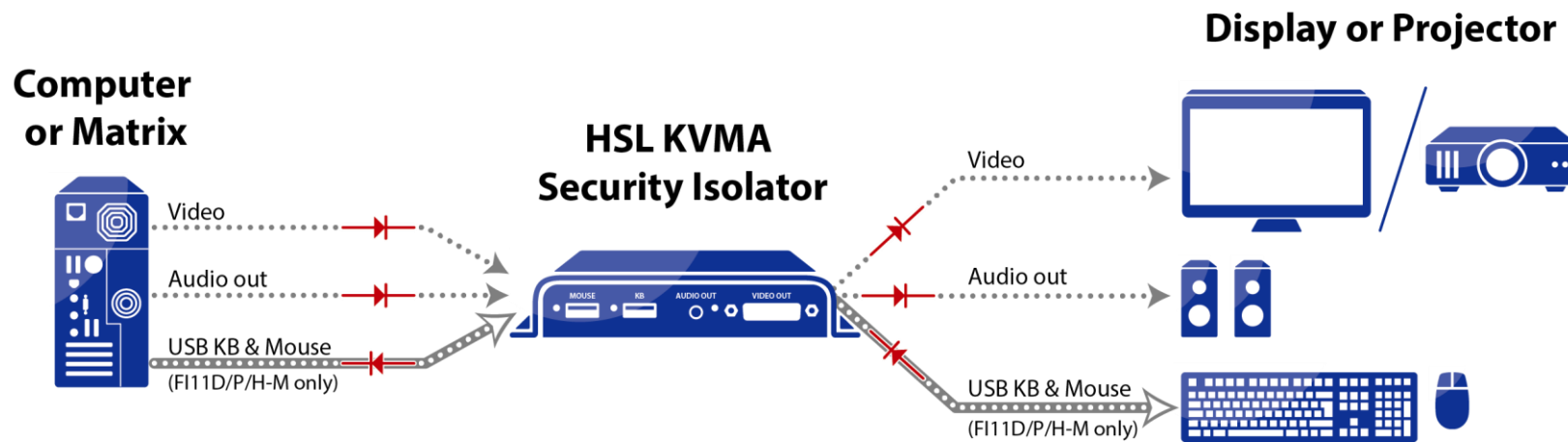
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## INTRODUCTION

## HSL Secure Isolators

The secure Isolator prevents vulnerable peripherals from mediating between compromised and secure computers by ensuring that video and audio flow in a single direction.

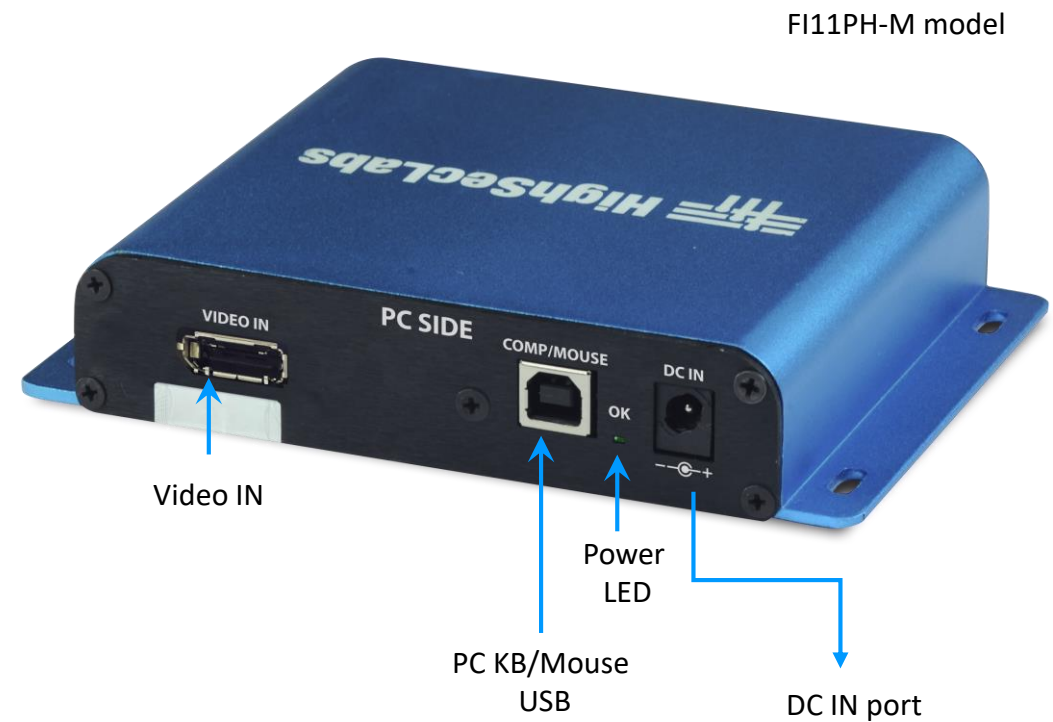


## INSTALLATION

## Connecting the Isolator

## Step 1 - Connect the PC to the Isolator's PC SIDE:

1. **Video connection:** For all models, connect the PC to the Isolator's **VIDEO IN** port, using the corresponding video cable (DP/HDMI, DVI or HDMI).
2. **PC Keyboard and Mouse connection:** For FI11D-M, FI11H-M, and FI11PH-M models, connect the PC to the Isolator using a USB A to USB B cable. Connect the USB A end to the PC and the USB B end to the Isolator's **COMP/MOUSE** port.



## INSTALLATION

## Step 2 - Connect the peripherals to the Isolator's CONSOLE SIDE:

1. **Video connection:** For all models, connect the monitor/projector's cable to the Isolator's **VIDEO OUT** port.
2. **PC keyboard and mouse connection:** For FI11D-M, FI11H-M, and FI11PH-M models, connect a USB mouse and keyboard, to the Isolator's corresponding **MOUSE** and **KB** ports.

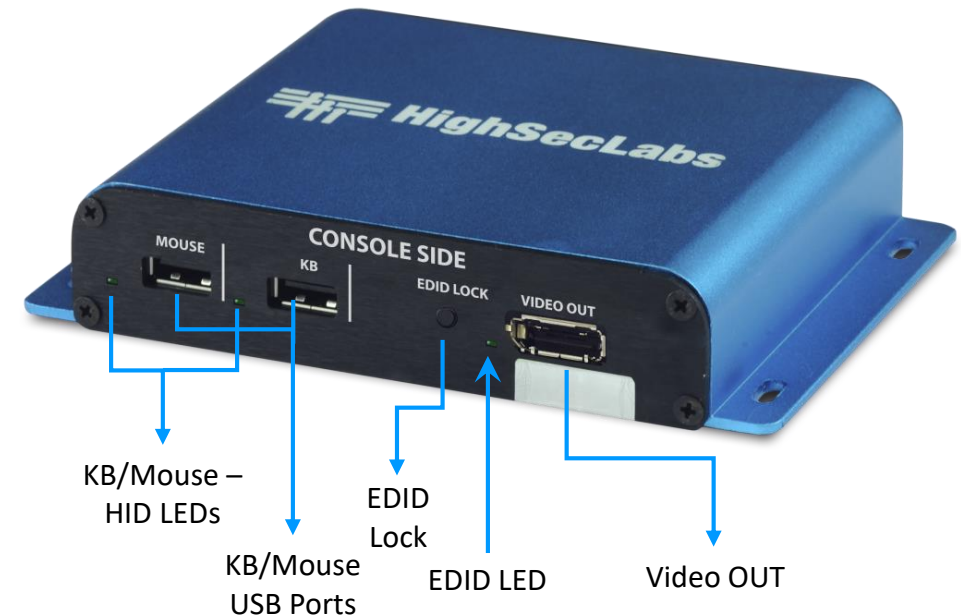
Both mouse and keyboard (HID) LEDs should light continuously.

**Note:** If either LED remains OFF, the Isolator does not recognize the device; use an alternative device.

## Step 3 - Power ON the Isolator

1. For all models, connect the power adapter to the Isolator's PC SIDE, DC IN port. Power ON the Isolator by plugging it into an AC wall outlet.
2. The PC SIDE Power LED should light continuously. If not, check the connections.

## Step 4 - Make sure the PC and display are powered ON



## OPERATION

### Running an EDID Capture

Before using the Isolator, run a one-time EDID capture. This prevents the continuous transfer of potentially malicious data - from the display to the PC – that could infect the PC, cause data leakage, and so on.

#### Preparation:

- Connect the PC and all peripherals to the unit, according to the diagram.
- Make sure the PC, display, and unit are ON.



#### To run an EDID capture:

1. On the PC SIDE, short-click the EDID LOCK button – for less than one second. Warning: Long-clicking the EDID LOCK button sends the unit into an undesired loop. If this happens, restart the unit and repeat the procedure.

At first, the EDID LED flickers for a few seconds and then lights continuously.

**Note:** If the EDID LED is OFF, check the connections and that the display is powered ON. Then, repeat the procedure.

2. Restart the unit.

**Note:** An EDID capture needs to be performed for new installations and when changing a display.