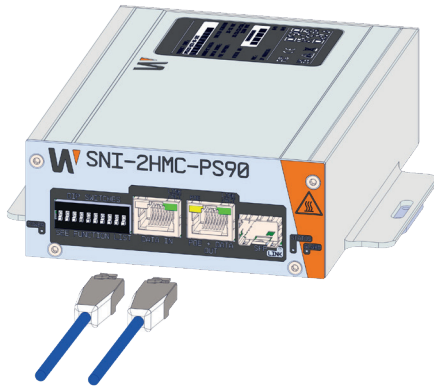
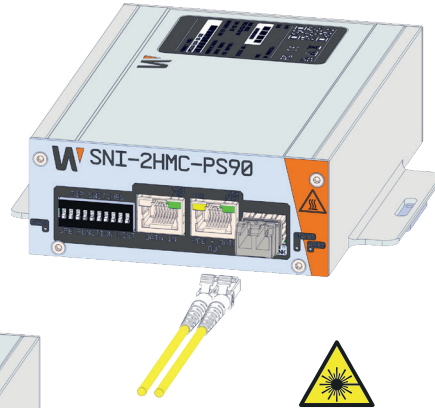


INTERFACE CONNECTIONS

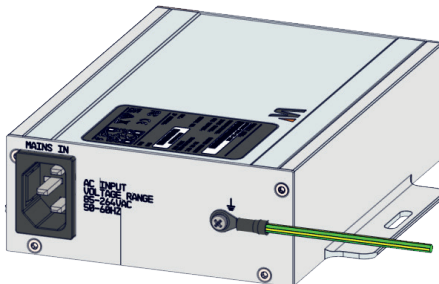
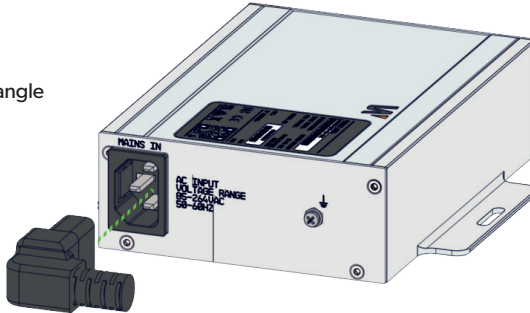
1. Insert the SFP module into the SFP slot. 100Mb or 1Gb modules are supported with auto detection.
2. Insert the fiber patch cable into the SFP module.



3. Insert the inbound Cat5/6 cable into the Data In RJ45 port.
4. Insert the Cat5/6 cable for the PoE device to be powered into the PoE + Data Out RJ45 port. Supports 15W, 30W, 60W & 90W



5. Insert the supplied down angle IEC mains cable into the IEC connector.



Safety earth is provided by the earth terminal on the IEC connector which must always be connected.

An additional earth connection point is provided for convenience. To protect from ESD and Surge events ensure that the unit is correctly earthed using the provided earth connection point(s) in accordance with local electrical codes & standards.
(Additional earth cable shown not provided)

SNI-2HMC-PS90 Industrial Hybrid Media Converter / PoE Injector

Installation Manual

INCLUDED ACCESSORIES



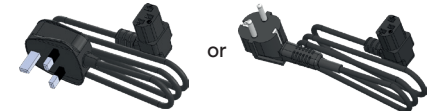
DIN Rail
Clip



Mounting
Plate

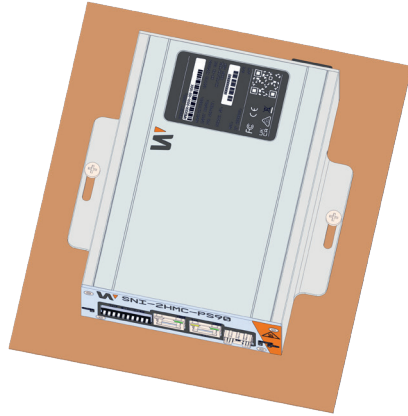


Magnetic
Mounts



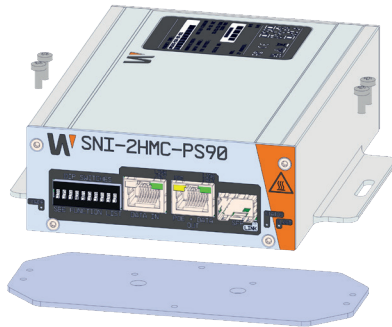
Region Specific UK or EU
Down Angle IEC Line Cord

/ SURFACE MOUNT INSTALLATION



The unit can be directly attached to a surface using appropriate fixing screws (not provided) as shown here. Maximum screw size supported is metric M4 (4mm) or imperial #8 (0.164").

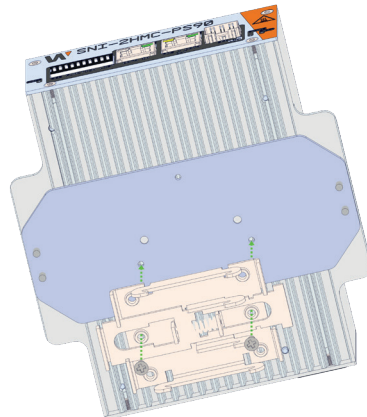
/ DIN RAIL MOUNT INSTALLATION



1. Fix the supplied mounting plate to the underside of the unit using the included 4x M3x4mm screws as shown.

2. Fix the supplied DIN rail clip to the mounting plate using the included 2x M3x6mm screws as shown.

Note: The DIN clip can be fixed in either a horizontal or vertical orientation.



/ DIP SWITCH 7 - DUAL PORT ISOLATION MODE (CONTINUED)

Legend

- CAT5e 1Gb
- PoE 90W
- Fiber 100Mb/1Gb

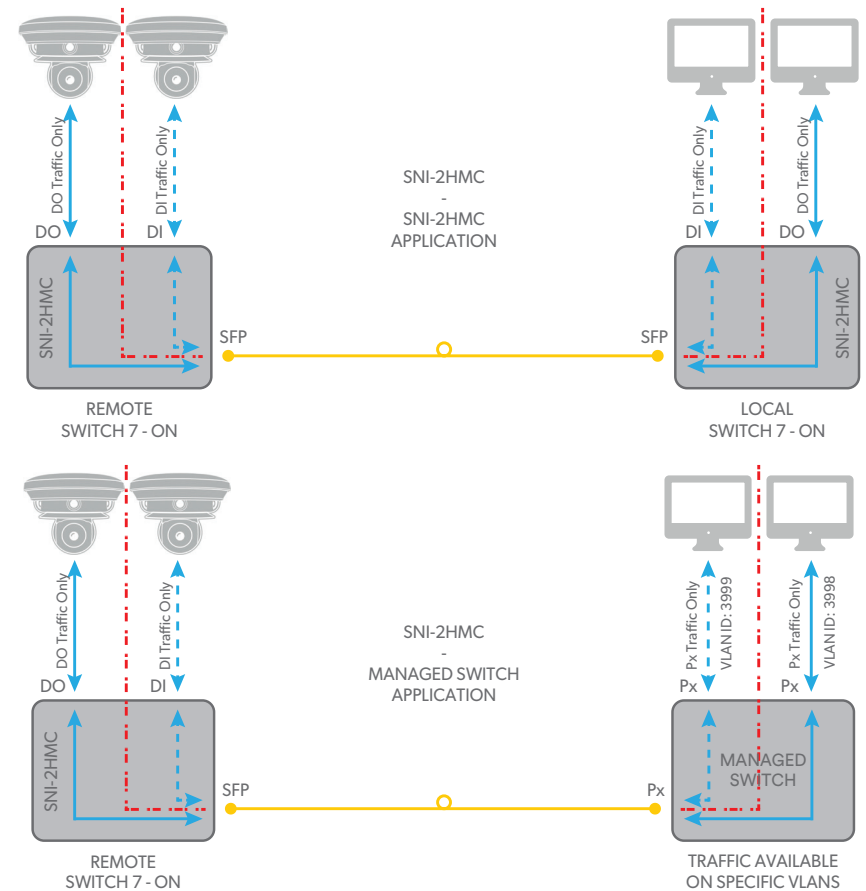
The Dual Port Isolation Mode feature is designed to provide isolation for each RJ45 port. This feature replicates two dedicated media converters operating over a single SFP link.

DIP Switch 7 - ON Position

With the DIP switch in the **ON** position the SNI-2HMC unit operates in isolation mode. The examples below show the flow of traffic for two applications. Two SNI-2HMC units directly connected and a single SNI-2HMC unit connected to a managed switch.

In this mode all traffic from the Data In and Data Out ports is isolated from each other and then passed over the SFP port. At the opposing SNI-2HMC unit the traffic is then split out to the corresponding Data In and Data Out ports. Traffic from one port cannot appear on the other port.

When connected to a managed switch the traffic from Data In port is mapped to VLAN ID# 3999 and traffic from Data Out port is mapped to VLAN ID# 3998.



DIP SWITCH 7 - DUAL PORT ISOLATION MODE

The Dual Port Isolation Mode feature is designed to provide isolation for each RJ45 port. This feature replicates two dedicated media converters operating over a single SFP link.

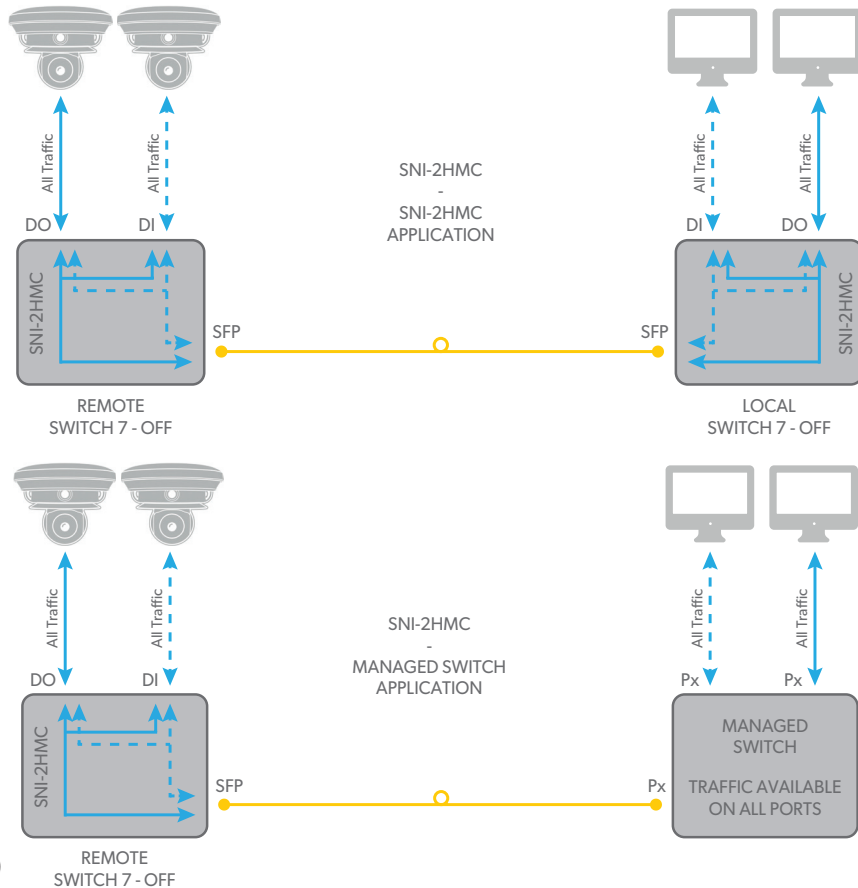
DIP Switch 7 - OFF Position

With the DIP switch in the **OFF** position the SNI-2HMC media converter operates as a standard 3-port layer 2 unmanaged switch.

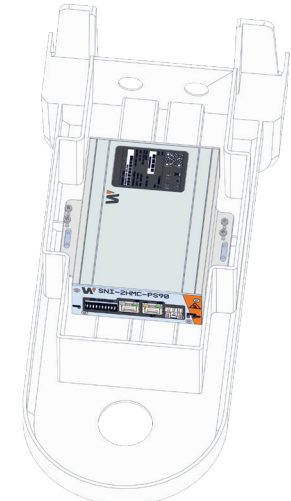
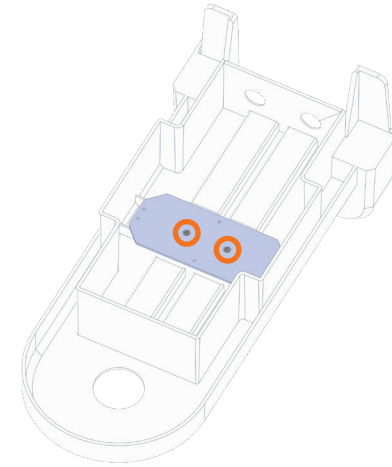
The examples below show the flow of traffic for two applications. Two SNI-2HMC units directly connected and a single SNI-2HMC unit connected to a managed switch.

In both applications data flow will follow standard MAC address mapping across all 3 ports (2x RJ45 and 1x SFP). Any broadcast or multicast traffic will be sent to all ports except the port on which it was received potentially causing network flooding.

The diagram below shows the possible flow of all Ethernet traffic in this mode. Traffic from any port can be visible on any other port as per standard unmanaged switch MAC address mapping.



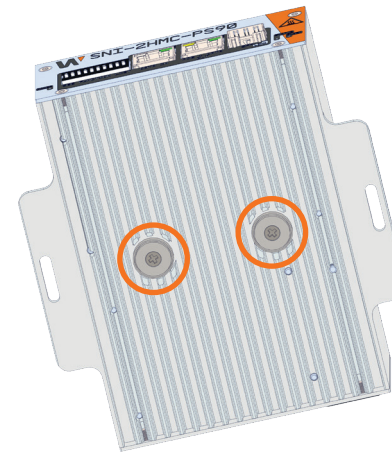
SBP-400MWM INSTALLATION



1. Fix the supplied mounting plate into the SBP-400MWM camera arm using the included 2x M3x10mm screws as shown.

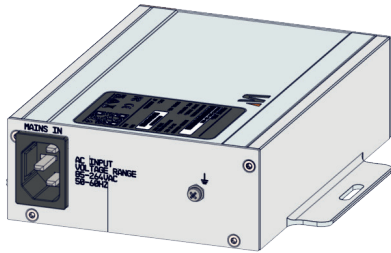
2. The unit will fix securely to the mounting plate using its magnetic mounts. The unit can be further secured if necessary using the included 4x M3x4mm screws as shown.

MAGNETIC MOUNT INSTALLATION



The unit comes pre-installed with 2x magnetic fixing points as shown in orange. The unit can be fixed to the included steel wall mounting plate or directly to any other magnetic compatible surface.

POWER

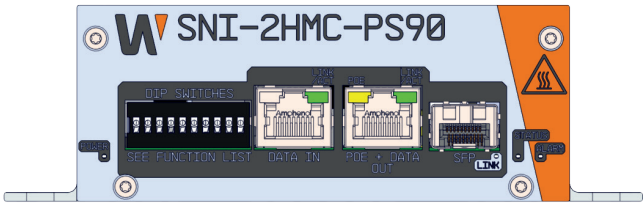


Hot surfaces when unit is under operation. Do not touch.

Voltage	Frequency	Power
85-264 VAC	47-63 Hz	2.5W Max*
120-370 VDC	N/A	

Note: The mains socket outlet should remain easily accessible as it provides the disconnection point for the unit.

LED INDICATORS



LED	Colour	Description
POWER	Blue	AC input power present
STATUS	Green	Unit CPU operating correctly
ALARM	Red	Alarm condition triggered
SFP LINK/ACT	Off	No SFP link connection
	Green	SFP link present (flashes with data traffic activity)
RJ45 LINK/ACT	Off	No Ethernet link connection
	Green	Ethernet link present (flashes with data traffic activity)
RJ45 POE	Flashing	No PoE being supplied
	Yellow	PoE is being delivered

DIP SWITCH 6 - DIRECTED TRAFFIC MODE

Legend

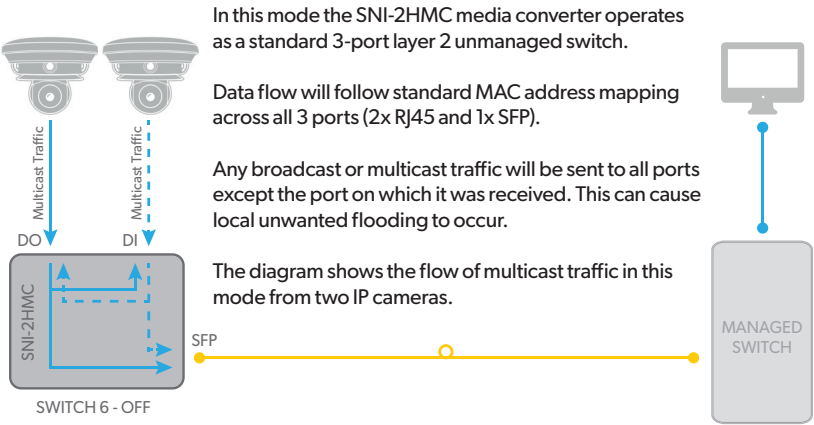
CAT5e 1Gb

PoE 90W

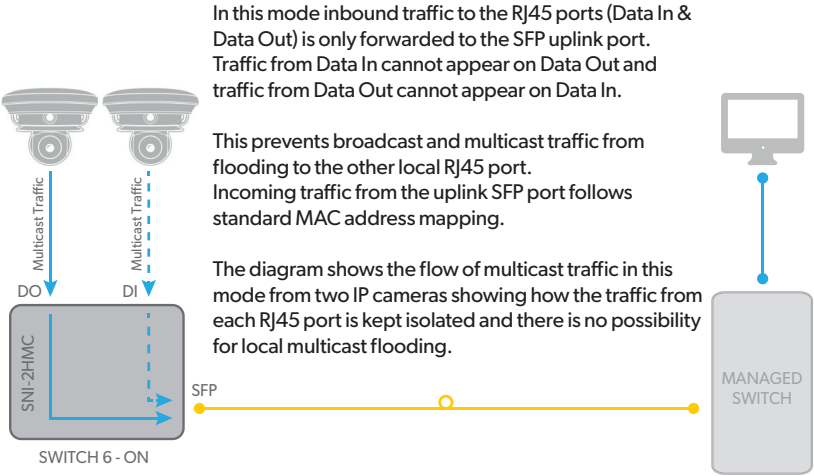
Fiber 100Mb/1Gb

The Directed Traffic Mode feature is designed to prevent network video flooding of multicast traffic on the SNI-2HMC hybrid media converter.

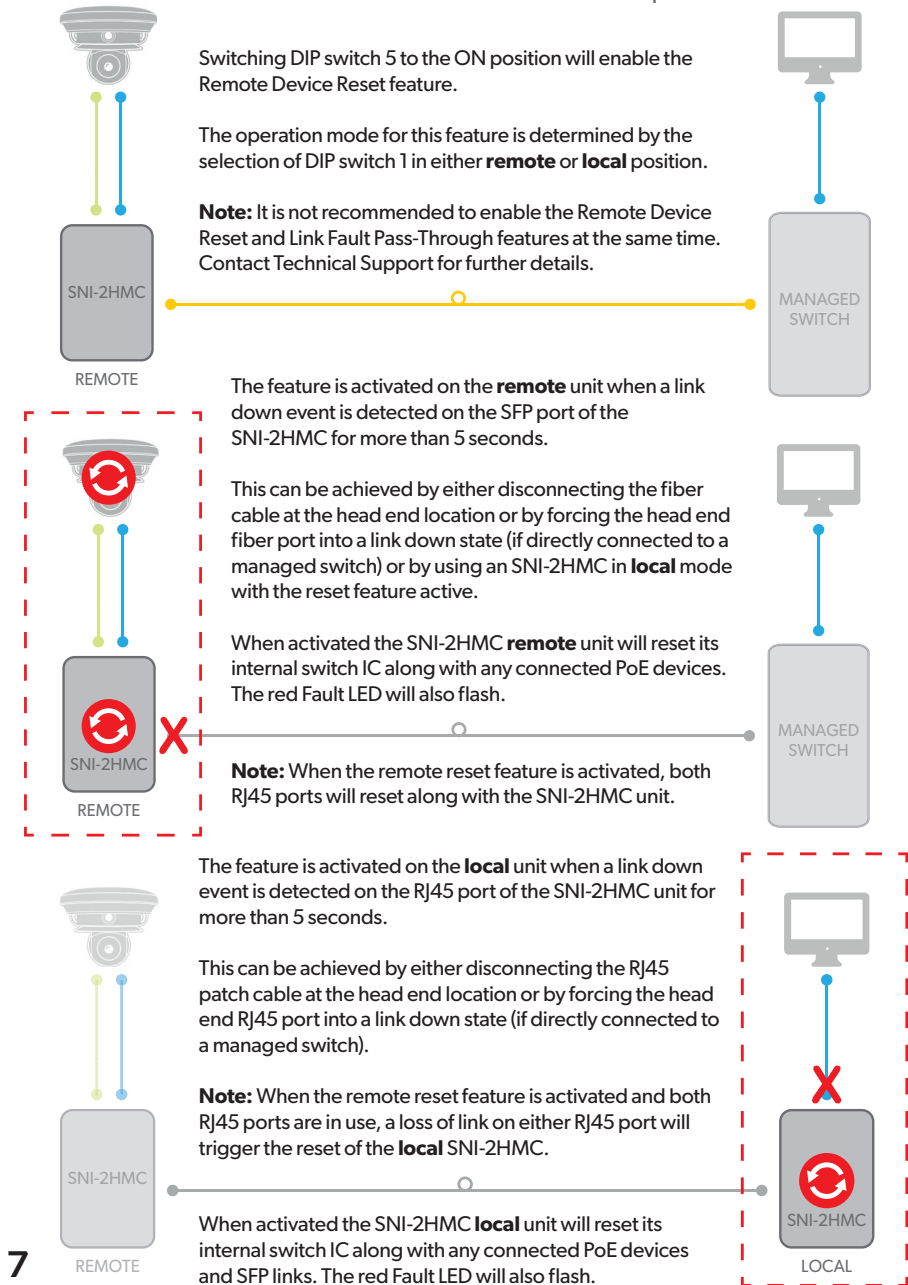
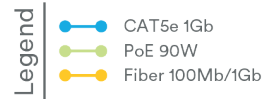
DIP Switch 6 - OFF Position



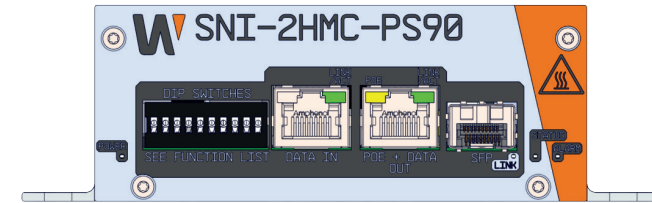
DIP Switch 6 - ON Position



DIP SWITCH 5 - REMOTE DEVICE RESET

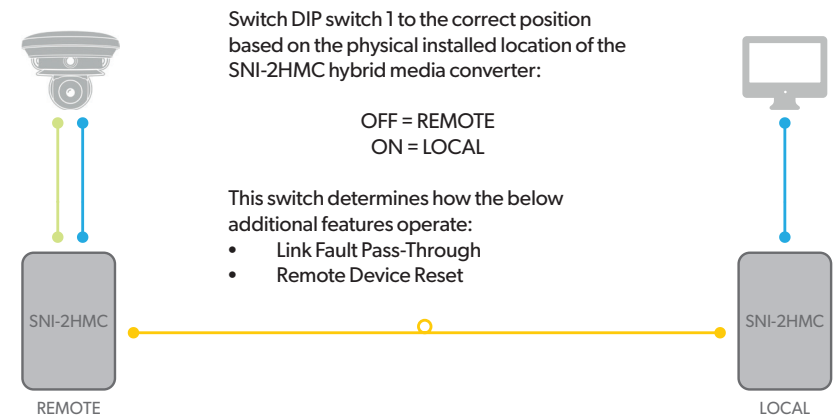


DIP SWITCHES

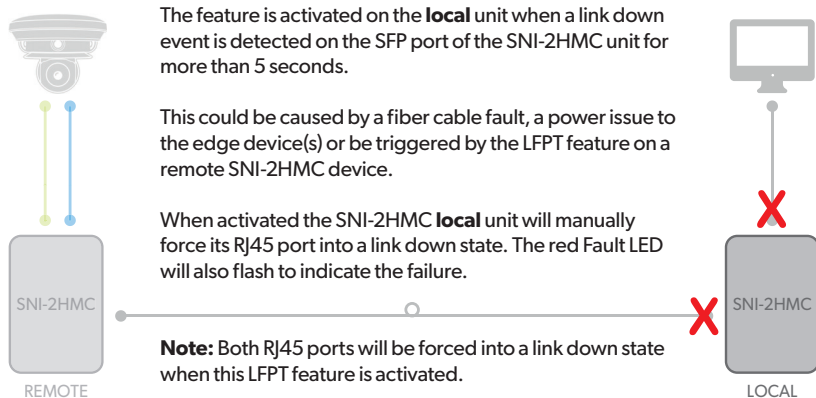
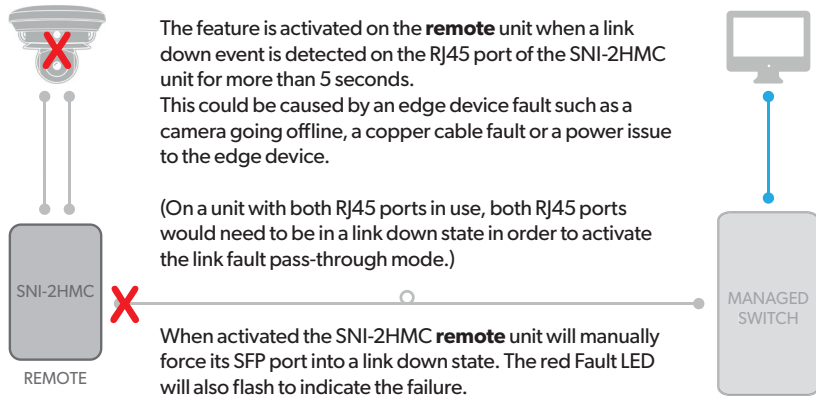
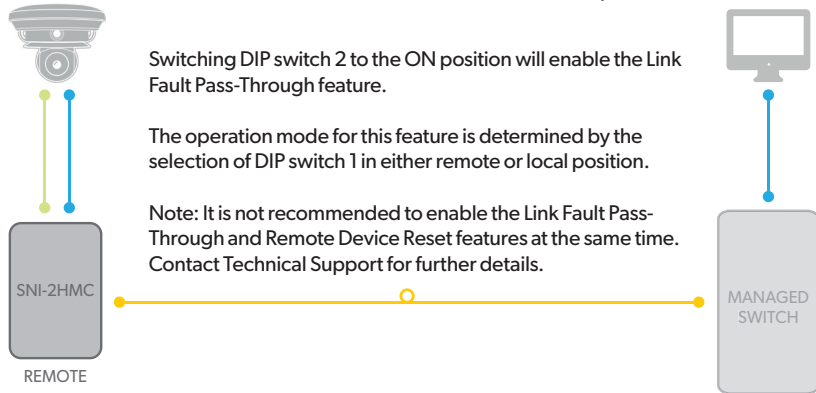
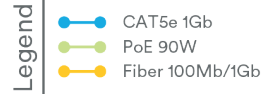


Switch	Description
1	Remote / Local Device Mode
2	Link Fault Pass-Through
3	PoE + Data Out Port 250M Extended Distance Mode
4	Data In Port 250M Extended Distance Mode
5	Remote Device Reset
6	Directed Traffic Mode
7	Dual Port Isolation Mode
8	Reserved
9	Reserved
10	Reserved

DIP SWITCH 1 - REMOTE/LOCAL DEVICE MODE



// DIP SWITCH 2 - LINK FAULT PASS-THROUGH



// DIP SWITCH 3 & 4 - 250M EXTENDED DISTANCE

