emFUSION-S2: Standalone IP Gateway with Selecable inputs/outputs

The emFUSION-S2 standalone IP Gateway can be configured as an Encapsulator, a De-encapsulator or both with a selection of inputs and outputs. This "à la carte" solution lets you choose the type of inputs and outputs as well as the type of encapsulation by populating the miniature frame with your selection of emSFP-Gateways.

Two slots are available for the selection of any of Embrionix EB22 coaxial type encapsulator or de-encapsulator gateways. The encapsulation format is determined by the selection of the software license including ST2110, ST2022-6/7 or ST2022-1/2.

KEY DIFFERENTIATING FACTORS

- ✓ Convenient, small and quiet housing, that can be installed inside the operation area.

- ✓ Modular platform using hot swappable emSFP modules

- ✓ Support of multiple encapsulation formats such as ST2022 and ST2110

- ✓ Optimized connectivity, requires a single 10GbE link for 4 IP flows and control.

APPLICATION DIAGRAM 1
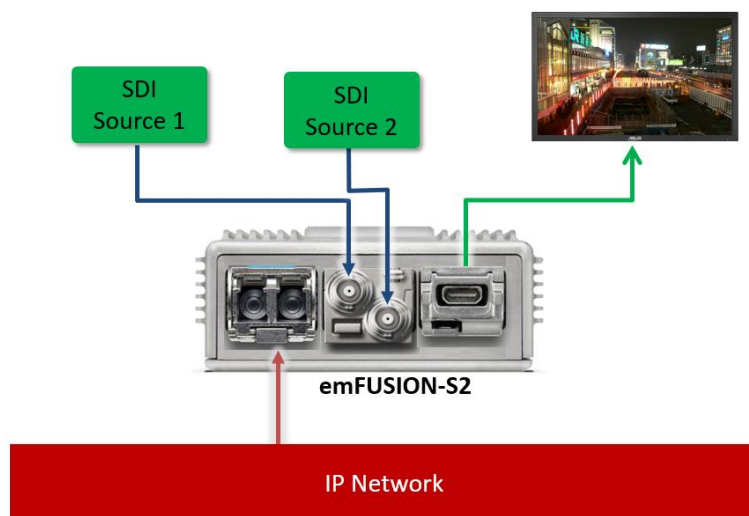
SPECIFICATIONS

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System	
Fiber optic Transceiver:	Selectable emSFP with multimode or single mode fiber
Output:	Selectable emSFP with dual coaxial or single HDMI
Control:	In band control: each emSFP Gateway can be controlled via a unicast IP address
Power Supply	
AC Mains Input:	Auto ranging, 100-240v AC, 50/60Hz
Output Voltage:	12V DC
Power Consumption:	<6 watts (typical)
Physical	
Dimensions:	26mm H x 45mm W x 75mm D
Operating Temperature:	0°C to 45°C

APPLICATION DIAGRAM 2

emFUSION-S2

IP Network

APPLICATION DIAGRAM 3

SDI Source 1 SDI Source 2

emFUSION-S2

IP Network
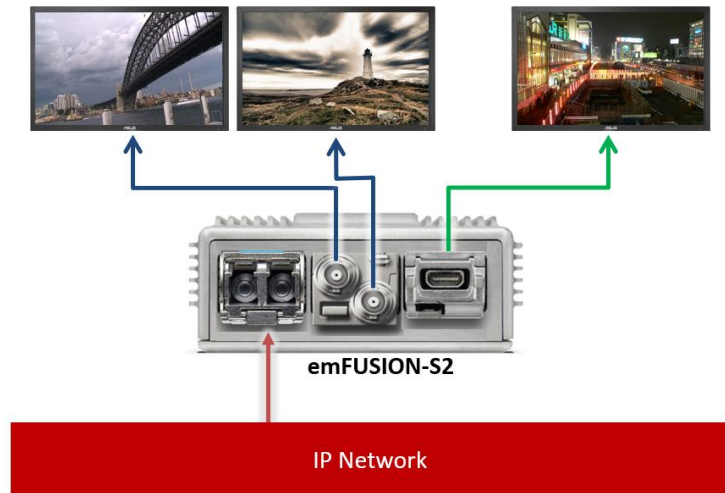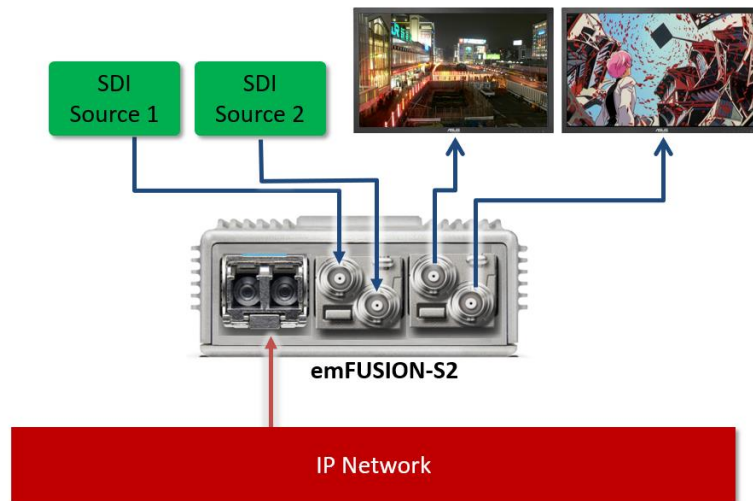
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Patent pending