

IPG-1021



Dual-channel processing

IP/SDI/NVI conversion

Ultra-low latency & highly accurate

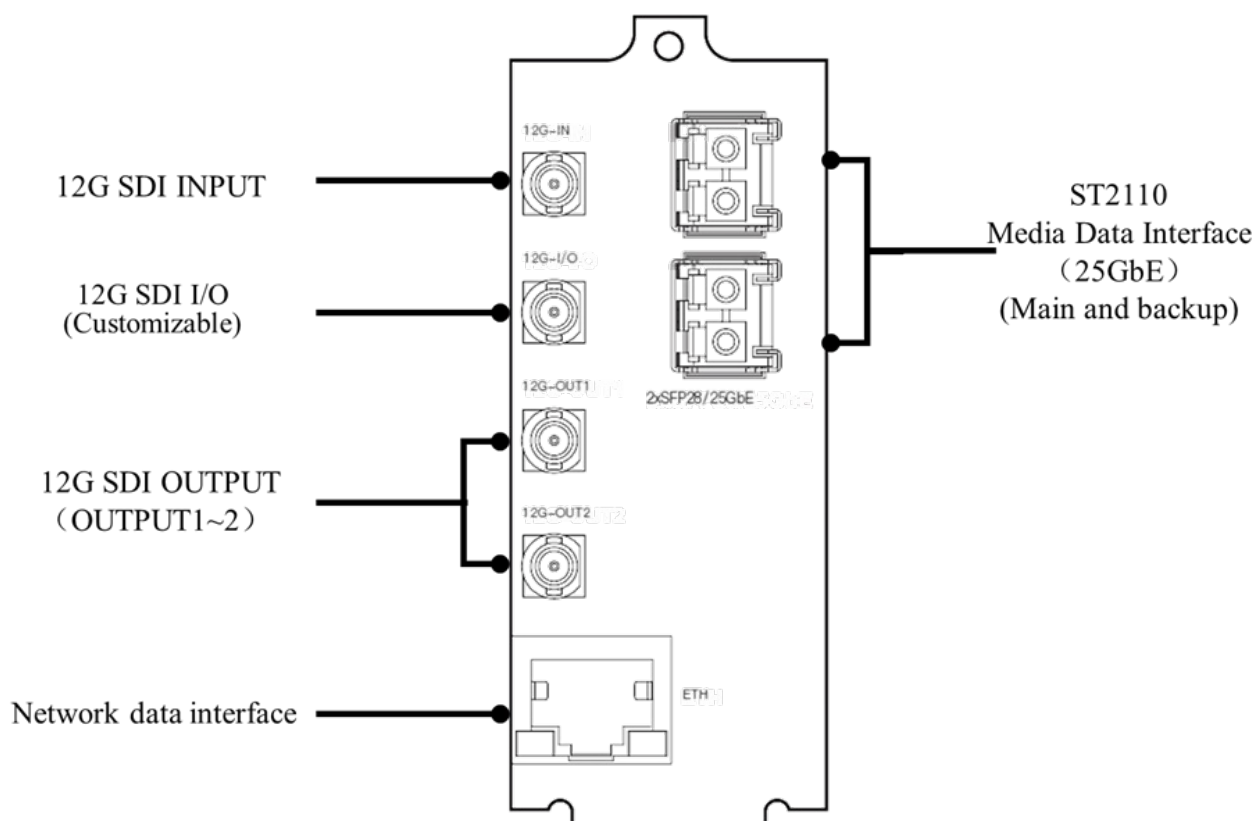
IPG-1021

☆ Product Overview

IPG-1021 is a dual-channel IP/SDI conversion device that also supports SDI/IP and NVI conversion, making it suitable for IP/SDI signal interface conversion scenarios in systems such as OB vans, studios, master control rooms, and broadcast systems.



🔌 Device Interface



Input/output

ST 2110 IP Interface	25G SFP28 x 2
SDI Interface	12G SDI x 4 (1IN, 1IN/OUT, 2OUT)
Network Data Port	RJ-45 x 1

Video format

4K	3840 x 2160 60p/59.94p/50p
HD	1920 x 1080 60p/59.94p/50p/59.94i/50i

Supported transmission protocols and standards

SMPTE	SMPTE ST 2110-10/20/21/30/40, SMPTE ST 2022-7
NMOS	NMOS IS-04/05

Clock synchronization

SMPTE ST 2059 PTP clock
REF Bi-Level or Tri-Level

Number of slots

2 slots

Main function

Supports dual-channel IP/SDI conversion or single-channel NVI codec
Support frame synchronization processing for external SDI or IP signals
Support metadata transparent transmission
Built-in embedding and de-embedding functions enable the conversion between audio in SDI signals and ST2110-30 audio streams
Supports 1-channel 4K/HD SDI input, and simultaneously outputs 1-channel ST 2110 and 1-channel NVI
Supports 1-channel 4K ST 2110 input, and simultaneously outputs 1-channel SDI and 1-channel NVI
Supports embedded audio channel conversion, and allows independent adjustment of audio gain and audio delay for each channel
One 2RU chassis supports up to 20 channel IP/SDI conversions

Chassis configuration

Number of Slots	20
Power Supply	100V to 240V AC, 50/60 Hz
Power Consumption	600W
Temperature Range	0°C- 40°C
Dimensions (W x H x D, mm)	483 x 90 x 427
Redundant Power Supply	Yes