

MPEG-2 HDTV/SDTV Multi-Channel Encoder

MPC1010

**4CH Encoder
with TS-MUX**

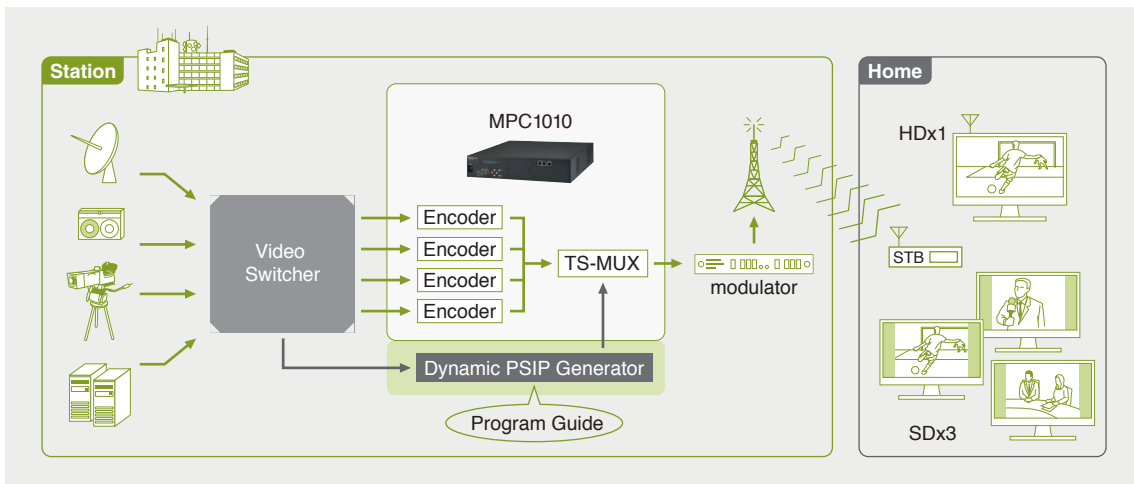


MPEG-2 Multi-Channel Encoder Maximum 12 Channel Encoding by Cascade Connection

Simultaneous 12 channel distribution,* 3D or 4K2K contribution
The best solutions for terrestrial, CATV, IPTV, and satellite distribution

- Perfectly synchronized multi-channel encoding
- Maximum 4 channel encoder/unit with TS-MUX
- Supports MPEG-2 HDTV/SDTV
- Multiple video format compatibility including 1080i, 720p, 480i
- Dolby Digital (AC-3) stereo encoding
- 4 channel audio input per video channel (optional)
- Wide variety I/O interface
- Built-In Static PSIP

Application



* by cascade connection (optional)

Front Panel



- ① Power
- ② Status Indicator
- ③ Operating Button
- ④ Reserved
- ⑤ LAN1 (10/100BASE-TX)
- ⑥ LAN2 (100/1000BASE-T)

Rear Panel

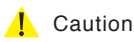
*Photo: MPC1010 4 channel system



- ① Reserved
- ② CVBS
- ③ Reserved
- ④ SDI-IN
- ⑤ SDI-OUT
- ⑥ ASI/SMPTE310M OUTPUT
- ⑦ AUDIO1
- ⑧ AUDIO2
- ⑨ SYNC-IN
- ⑩ Reserved
- ⑪ ASI/SMPTE310M INPUT
- ⑫ ASI/SMPTE310M OUTPUT1
- ⑬ ASI/SMPTE310M OUTPUT2
- ⑭ FAN SW
- ⑮ ALARM

Specifications

Features		Specifications
The number of slots/unit		1-4 (Please Specify at the time of order placement)
Video/slot	Input Format	SDTV: Analog (NTSC/PAL), SD-SDI (SMPTE 259M) HDTV: HD-SDI (SMPTE 292M) (optional)
	Encoding Format	MPEG-2
	Profile/Level	MP@HL, MP@ML, SP@ML
	Video Format	1080i, 720p, 480i
	Frame Rate	1080i: 29.97/25 (SMPTE 274M), 720p: 59.94/50 (SMPTE 296M), 480i: 29.97 (SMPTE 125M), 576i: 25 (ITU-R BT.656-4)
Audio/slot	Input Format	Analog: up to 4 stereo pairs Digital: Embedded Audio, AES/EBU
	Encoding Format	Dolby Digital (optional), MPEG-1 Audio Layer II
	Input-level Adjustment	Available (-20dB - +20dB)
VBI		Closed Caption
System	Output Stream Type	MPEG-2 TS: ATSC Compliant TS is available
	PSIP	Internal Static PSIP Generator, External Dynamic PSIP Generator Interface (DVB-ASI/SMPTE 310M)
	Output Interface	TS-MUX Out: DVB-ASI/SMPTE310M, 100/1000BASE-T (Slot Out: DVB-ASI/SMPTE 310M)
	Synchronous Signal	External Black Burst or Tri-SYNC
Internal Test Signal		Video: Color Bar Audio: 1kHz Sine Wave
Control	Local Operation	Power ON/OFF, Front Control Key
	Remote Operation	SNMP, Web GUI
Body	Dimensions	2U 19" Full-rack size (W432 x D452 x H87.7mm)
	Weight	Approx. 14kg (at full module installed)
	Power Source	AC 100 - 240V, 50Hz / 60Hz
Cascade Connection		Maximum 12 channel encoding by cascade connection of 3 MPC1010 units (External Black Burst or Tri-SYNC signal is required)



Caution

- In order to ensure correct and safe use, please be sure to read the User's Guide beforehand.
- Do not install in locations exposed to water, humidity, steam, dust, or mist. Doing so could cause fire, electric shock, or equipment failure.

- Features and specifications are subject to change without prior notice.
- When exporting our products or technologies, please comply with the Foreign Exchange and Foreign Trade Law.
- Dolby is a trademark of Dolby Laboratories.



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