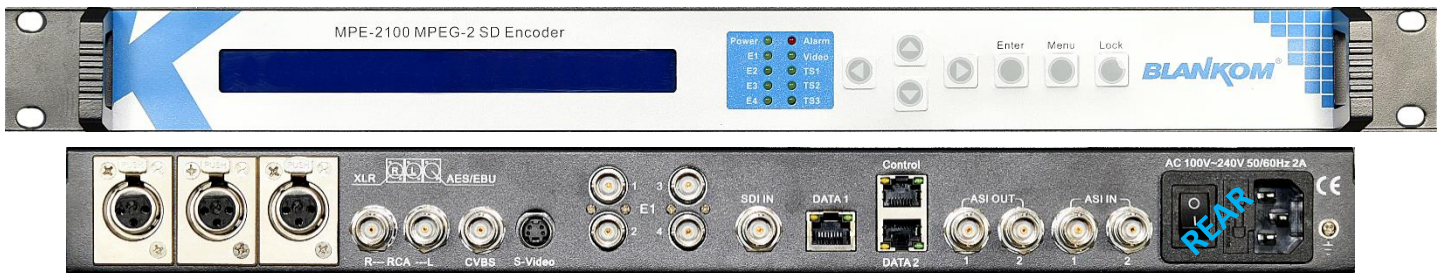


MPEG2 AV SD Broadcast Encoder



Features:

- MPEG-2 Video encoding, advanced Video pre-processing algorithms
- MPEG1Layer2 Audio, single- dual channel, Stereo& Joint Stereo
- Composite, S-Video analogue Video input
- SD-SDI digital Video input
- Balanced and unbalanced analogue Audio inputs
- AES/EBU, SD-SDI digital Audio input
- 2x ASI input for re-mux
- PAL, NTSC SD Video formats
- TS over UDP unicast/multicast output
- Dual ASI output
- 1x 100BaseT (Fast Ethernet) & 1x 1000BaseT Gigabit Ethernet Outputs DATA streaming ports
- 2x encoded streams output on this 2 ports independent
- VBR or CBR modes – Zero Packets PID 8191dec
- PID-forwarding (bypass) from ASI –IN1&2 to IP out

*SDI, SVideo, CVBS, sep. Stereo Audio Inputs,
balanced /unbalanced XLR, ...
ASI & IP TS outputs Multiplexing with
2x ASI-Input sources to a common TS output*

MPE-2100:

This MPEG-2 SD Encoder is a broadcasting Audio & Video encoding device with powerful functionality.

It supports a wide range of analogue and digital Audio and Video inputs such as CVBS, S-Video and SDI, and Audio inputs as balanced and unbalanced analogue input interfaces as well as stereo analog Audio input interface (XLR) and digital Audio input interfaces (AES/EBU).

Its high compatibility and excellent encoding quality makes this device widely used in digital broadcasting system.

The encoded program will finally output in a DVB conform TS through 2 parallel ASI and 1 IP port: MPTS & 2 SPTS.

Technical Specifications		
Input	Video	Analog composite Video (CVBS), BNC interface
		S-Video interface (Hosiden)
		SD-SDI, BNC interface
	Audio	analogue stereo Audio (balanced), XLR interface
		analogue stereo audio(unbalanced), BNC interface
		AES / EBU digital Audio, XLR Interface
SD-SDI embedded audio - BNC		
Video	Resolution	720×480_59.94i, 720×576_50i
	Encoding	MPEG-2 MP@ML
	Bit-rate	0.8Mbit/s...19.5Mbit/s
	Rate Control	CBR/VBR
	GOP Structure	IIII, IPPP, IBPB, IBBP
	Aspect Ratio	4:3; 16:9
	Advanced processing	De-interlacing, noise reduction, sharpening
Audio	Encoding	MPEG-1 Layer 2
	Sampling rate	48KHz, 44.1KHz, 32KHz
	Bitrate	64Kbit/s—384Kbit/s
Stream output	2-way ASI output, BNC interface	
	E1-4 outputs –Optional (Asia market)	
	TS output over UDP,100/1000Base-T 2x Ethernet interface (UDP unicast / multicast)	
System function	LCD/Keyboard, network management(NMS)	
	Web-GUI english	
	Upgrade by Ethernet	
General	Dimensions (WxDxH)	482mm × 455mm × 44.5mm
	Temperature range	0...45°C (operation), -20...80°C (storage)
	Power Requirements	AC 110V±10%,50/60Hz or AC 220V±10%,50/60Hz

Corresponding Headend-Products:

DVB-C QAM-Modulators: HDC-5004/5016 (4 or 16 DVB-C channels), BSS-Platform (QAM Modules)

DVB-S2/T2 Modulators: HDM-Series

IPTV distribution in corporate/broadcast or even Hospitality Networks (STB based or directly to TV's)

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Technical changes are subject to change w/o further notice