

Multi Digital Encoding/Multiplexing

EMA 207 4-WAY MPEG-ENCODER/MULTIPLEXER

GENERAL

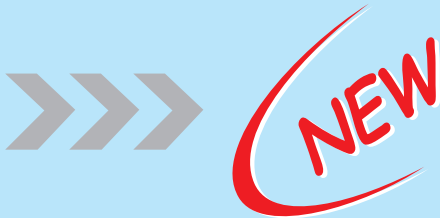
The new **EMA 207** is a professional, flexible and cost effective 4-way Encoder/Multiplexer that combines both encoding and multiplexing in one unit and provides excellent video quality and performance.

This module is most perfect for enabling cable operators to make their digital play out by processing analog inserted A/V (SDI optionally) signals in digital services.

The EMA 207 offers an efficient solution for encoding of up to 4 Audio/Video or SDI signals into one digital ASI Transport stream and is ideally suited for cable-TV headends, broadcasting applications and digital video distribution via telco structures.

It is also equipped with a separate ASI-input interface intended for cascading a specific number of EMA 207 modules so to create a digital ASI-TS with multiple programs. The ASI interface of the first module in the cascade (Master) can also be used to insert any other ASI-TS making this a most flexible solution for future digital networks.

The EMA 207 has an integrated webserver (TCP/IP) and features easy local and remote operation and control possibilities.



FEATURES

- 4-way MPEG-Encoder/Multiplexer
- Easy and high quality encoding and multiplexing of 4 A/V or SDI signals to one ASI-TS
- Various cascading possibilities
- Additional ASI input for digital ASI-TS insertion
- Transparent Teletext- and service data transmission (VPS, WSS)
- Audio level adjustment
- Local and remote control via PC/Laptop WebServer (TCP/IP)/ SNMP agent
- Generation of NIT and further DVB tables



EMA 207 MPEG ENCODER/MUX

TECHNICAL SPECIFICATIONS

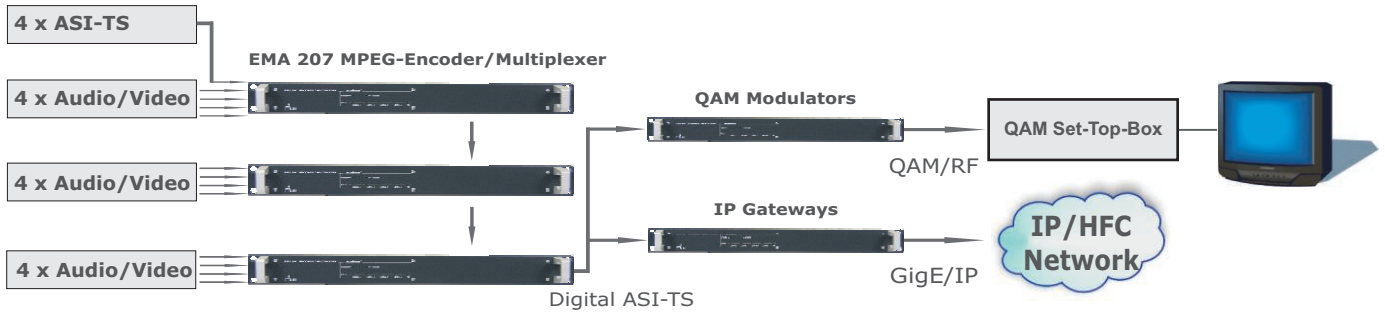
EMA 207 MPEG-ENCODER/MULTIPLEXER 4 x A/V or SDI & 1 x ASI ⇒ ASI-TS



Encoder, Video Standard Compression Format System Bit rate	PAL (B/G, H, I, N), SECAM, NTSC (M) MPEG-2 (MP@ML) 720 x 576 Pixel 1024...15000 kbps (individually configurable per channel by taking into consideration the total bandwidth and number of programs)	A/V inputs Video IN: Audio IN:	4 x BNC/1 V _{ss} /75Ω PAL (B, G, H); PAL (N); NTSC (M); SECAM or SDI (270 Mbps) / Audio embedded or analog 4 x EURO Audio DIN 45326 socket 8-pole/stereo 600 Ω balanced
Encoder, Audio Compression Sample frequency Bit rate	MPEG-1 Layer 2 48 kHz, stereo 64...384 kbps	Remote control Data adjustment SNMP	Ethernet IP Interface, UDP/IP Provides a MIB - Parameter file
Transport stream output Protocol Connector Bit rate Programs per TS	DVB-ASI, Burst- or Interleave-Mode 1 x BNC/75 Ω, 800 mV _{ss} 1...214 Mbps, adjustable in steps of 1 kbps various devices can be cascaded	Extension cascading Cascading	Via ASI input Interface Various device cascading options
Transport stream input	DVB-ASI ASI Transport stream insertion of up to 214 Mbps (Burst- or Interleave Mode)	Additional features Teletext, VPS, WSS	Transparent transmission of Teletext-signals, Conversion and transmission of VPS und WSS-Signals, Teletext creation (option)

ORDERING INFORMATION

TYPE	PART #	DESCRIPTION
EMA 207	9872.81	4-way MPEG-2 Encoder/Multiplexer



FLEXIBLE ENCODING

Your BLANKOM Partner

Provided by: Mega Hertz
 800-883-8839
 sales@go2mhz.com www.go2mhz.com

BLANKOM USA, LLC

Associated BLANKOM Products

- VEA 107 3-way MPEG Encoder/Multiplexer
- MXA 107 DVB Multiplexer
- SCA 107 DVB Scrambler
- DRP 3xx 8PSK/QPSK, COFDM, QAM, ASI - Receivers/Decoders
- DRD 694 TWIN 8PSK/QPSK Receiver with 2 ASI and GigE outputs
- DIP 120/121 ASI ⇔ IP Gateways (Bi-directional)
- ITB 100 Modular ASI ⇔ IP Transcoder (Bi-directional)
- EQM 10x Edge QAM Modulator (IP to 24 x QAM/RF)

...setting signals