

LEMCO®

DIGITAL TV SOLUTIONS



micro
line

MLH-301

4xHD to 4xDVB-T/C + IP

Features

- ▮ 4 x HDMI inputs (up to 1080-30p)
- ▮ HDCP support
- ▮ 4 x RF output DVB-T/C (software selectable)
- ▮ Gbit IP streaming (up to 64 x SPTS / 4 x MPTS)
- ▮ "Pool" technology
- ▮ MER value > 42dB
- ▮ Dual power supplies offering redundancy mode
- ▮ Custom NIT/SDT
- ▮ Local or remote control via webserver
- ▮ Very friendly user interface
- ▮ Wall or rack mount options
- ▮ SNMP v2
- ▮ Ultra-compact size
- ▮ 5-year warranty

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MLH-301

4xHD to 4xDVB-T/C + IP



- ◆ The MLH-301 is a very powerful, all-in-one mini headend device, able to receive up to 4 HDMI signals and convert them either in 4 x DVB-T/C RF output channels or in IPTV streaming using UDP/RTP protocols multicast/unicast.
- ◆ It supports "pool" technology, meaning that the user is able to select any program from any of the 4 inputs and assign them to any of the 4 RF or IP outputs providing great flexibility.
- ◆ The embedded web server of the MLH-301 provides a very friendly user interface as well as the ability of remote or local control of the device via LAN.
- ◆ Its small size and its powerful features render the MLH-301 the ideal solution in case we want to distribute HDMI content eg. coming from STBs or Blu-ray to a CATV installation using the DVB-T/C or IPTV technology.

Technical Specifications

Input

Type	4 x HDMI
Video coding	MPEG-4 AVC / H.264
Profile	High profile 4.0
Input resolution	Up to 1920 x 1080 - 50/60 p & i
Output resolution	Up to 1920 x 1080 - 30p
HDCP support	Yes

Audio (IN)

Audio	HDMI
Standard	MPEG-1 Layer II
Bit rate ήχου	64, 96, 128, 192, 256, 320 Kbps
Format	MPEG2, AAC, AC3

H.264 encoder

Standard	MPEG-4 AVC / H.264
Bit rate	1 – 19 Mbps adjustable
Configurable parameters	Service Name, Service ID
LCN processing	Yes

Transport Stream Processing

Services	User selection by service names
Automatic regeneration	PAT, CAT, SDT, PMTs, EITs tables
NIT	Pass-through, custom, automatic
PCR	re-stamping
LCN support	Yes

RF Output

Type	4 x RF out in adjacent channels
Output Frequencies	110...950 MHz (1 Hz step)
Output Level	90dBuV
Connector	75Ω - F, female
Output Attenuator	0...-20dB
MER	More than 42dB

DVB-T (OUT)

Bandwidth	5, 6, 7, 8 MHz
Mode	2K, 8K
Constellation	QPSK, 16QAM, 64QAM
Guard interval	1/4, 1/8, 1/16, 1/32
Code rate	1/2, 2/3, 3/4, 5/6, 7/8

DVB-C (OUT)

Bandwidth	5, 6, 7, 8 MHz
Mode	2K, 8K
Constellation	16QAM, 32QAM, 64QAM, 128QAM, 256QAM
Symbol rate	1-7.2 Ms/s

Programming Interface

Ethernet webserver	Yes, embedded webserver
Speed	10/100 Mbps
Connector	RJ45
Browser compatibility	Chrome, Firefox, Safari, Opera, Edge et al.

General

Power supply	2 x +12VDC
Power supply consumption	2.0A max.
Operating temperature	0 °C to 40 °C
Storage temperature	-10 °C to +70 °C
Humidity	Up to 90%
Dimensions	235 x 115 x 48 mm
Weight	500 g



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