Compact Line

HCL-804CT

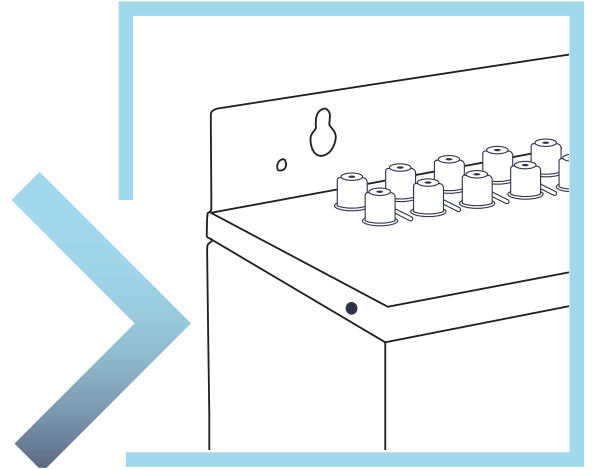**8 x HDMI to 4 x DVB-T/C + IP streaming**

Leading the signal
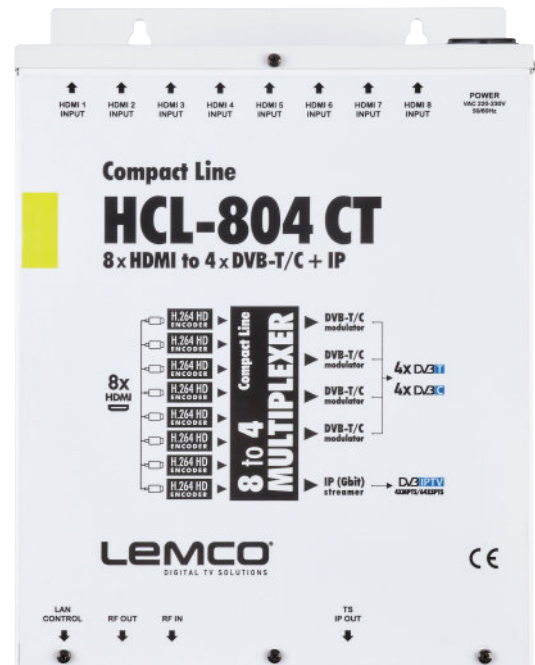# all over the world

Compact Line

The HCL-804CT is a very powerful, all-in-one device, able to receive up to 8 independent HDMI sources and convert them in 4 x DVB-T/C RF output channels while making Gbit IP streaming simultaneously. It supports "pool" technology, meaning that the user is able to select any program from any of the 8 inputs and assign it to any of the 4 RF + IP outputs providing great flexibility.

The embedded web server of the HCL-804CT provides a very friendly user interface as well as the ability of remote or local control of the device via Ethernet. Its small size and its powerful features renders the HCL-804CT the ideal solution in cases went we want to distribute HDMI sources coming e.g. from a STB or DVD player to a CATV installation using the DVB-T/C and IP technology.

Features

• 8 x independent HDMI inputs

• 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 > 40dB

• Very clean RF spectrum

• PCR re-stamping

• Very friendly user interface

• Wall or rack mountable

• Compact size

• 5 year warranty

8 x HDMI to 4 x DVB-T/C + IP streaming

HCL-804CT

Technical Specifications

Input Specifications

HDMI Input

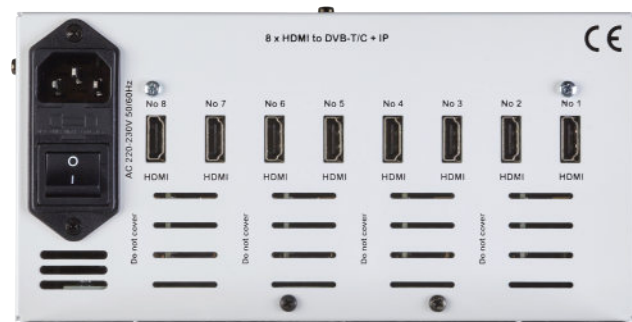|	
Type	8 x HDMI inputs
Video coding	MPEG-4 AVC / H.264
Profile	High profile 4.0
Input resolution	Up to 1920 x 1080 - 50/60 p & i
Output resolution	Up to 1920 x 1080 - 30p
HDCP support	Yes

Audio (IN)

Audio	HDMI
Standard	MPEG-1 Layer II
Audio bit rate	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	36…950 MHz (1 Hz step)
Output Level	90dBμV
Connector	75Ω - F, female
Output Attenuator	0…-20dB
MER	More than 40dB
Output loop-through loss	Less Than 1dB

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

IP Streaming

IP TS Out	Yes
Protocol	UDP / RTP (Multicast/Unicast)
Speed	1 Gbit (480 Mbps in IP only mode)
IGMP support	Yes, v2, v3
Type	MPTS (up to 4 TS) - SPTS (up to 8 HD programs

Programming Interface

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

EAN-13

Code	5213009760041

General

Power supply	108 to 240 VAC 50/60Hz
Power supply consumption	55 VA max.
Operating temperature	0 °C to 40 °C
Storage temperature	-10 °C to +70 °C
Humidity	Up to 90%
Dimensions	296.2 x 204.50 x 106 mm
Weight	1.7 Kg

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