

LEMCO®

DIGITAL TV SOLUTIONS

Compact Line
ALL-IN-ONE HEADEND



SCL-814CT

8xDVB-S/S2/T/T2/C to
4xDVB-T/C + IP streaming

- 8 x independent multi-standard inputs DVB-S/S2/T/T2/C
- 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

www.lemco.gr



HELLENIC
ENTERPRISE



GENERAL

The SCL-814CT is a very powerful professional, all-in-one device, able to receive up to 8 independent satellite (DVB-S/S2), terrestrial (DVB-T/T2) or cable (DVB-C) signals 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 SCL-814CT 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 SCL-814CT the ideal solution in cases we want to distribute FTA (Free-To-Air) TV programs coming from satellite (DVB-S/S2), terrestrial (DVB-T/T2) or cable (DVB-C) sources to a CATV installation using the DVB-T/C and IP technology.

TECHNICAL SPECIFICATIONS

Input

Type: 8 x DVB-S/S2/T/T2/C

Frequencies: 950...2150 MHz DVB-S/S2 - 118...900MHz DVB-T/T2/C

Connector: 75Ω - F, female

LNB

Voltage: OFF / 13V / 18V

Current: Less than 400mA

22 kHz signal: On / Off

22 kHz signal - Voltage: 0.65V ±0.35V

22 kHz signal - Frequency: 22 KHz ±4Hz

22 kHz signal - DiSEqC: 1.0 (Port A, B, C, D)

DVB-S (IN)

Symbol rate: 1 - 45 MBaud

Roll off factor: 0.35

Code rate: 1/2, 2/3, 3/4, 5/6, 7/8 (Automatic)

Spectral inversion: Reverse, Non-reverse (Automatic)

DVB-S2 (IN)

Constellation: QPSK, 8PSK (Automatic)

Symbol rate: 1 - 45 MBaud (QPSK) - 1 - 30 MBaud (8PSK)

Roll off factor: 0.2 / 0.35 (Automatic)

Code rate: 1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 8/10 (QPSK-Automatic) -

3/5, 2/3, 3/4, 5/6, 8/9, 9/10 (8PSK-Automatic)

Spectral inversion: Reverse, Non-reverse (Automatic)

DVB-T (IN)

Bandwidth: 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-T2 (IN)

Bandwidth: 5, 6, 7, 8 MHz

Mode: 1K, 2K, 4K, 8K, 16K, 32K (Included extended mode)

Constellation: QPSK, 16QAM, 64QAM, 256QAM

Code rate: 1/2, 3/5, 2/3, 3/4, 4/5, 5/6

DVB-C (Annex A,B,C) (IN)

Bandwidth: 5, 6, 7, 8 MHz

Mode: Automatic modulation detection

Constellation: 16QAM, 32QAM, 64QAM, 128QAM, 256QAM

SCL-814CT

8xDVB-S/S2/T/T2/C to 4xDVB-T/C + IP streaming

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.

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

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)

RF Output

Type: 4 x RF out in adjacent channels

Output Frequencies: 36...950 MHz (1Hz step)

Output Level: 90dBμV

Connector: 75Ω - F, female

Output Attenuator: 0...-20dB

MER: More than 40dB

Output loop-through loss: Less Than 1dB

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

Dimensions: 296.2 x 204.50 x 106 mm

Weight: 1.7 Kg

LEMCO[®]
DIGITAL TV SOLUTIONS

46 LATHEAS STR. ACHARNES

P.O. 13678. ATHENS, GFREECE

Tel: (+30) 210-2811401,

(+30) 210-2405237

Fax: (+30) 210-2825755

Email: info@lemco.gr



FOLLOW US ON

