

CSE 2000 Generation 2

Modules terrestrial TV digital in accordance with PAL

Type	CHC 2022 S1	CHC 2022 S11	CHC 2022 MI1
Order number	940 147-102	940 148-102	940 149-102



DVB-T

- Twin modules
- For processing digital terrestrial TV signals into analog output signals
- Output signal adjacent channel suitable
- Output signal in VHF I only for single channel mode

CI variant for CA module:

- Encryption of 2 channels from one datastream possible
- All HF connectors are F sockets

Technical data			
Implemented channels	2 (twin)	2 (twin)	2 (twin)
Input frequency range	174-230 MHz 470-862 MHz	174-230 MHz 470-862 MHz	174-230 MHz 470-862 MHz
AFC	+/- 4 MHz	+/- 4 MHz	+/- 4 MHz
Input level	30 - 80 dB μ V	30 - 80 dB μ V	30 - 80 dB μ V
Modulation type	COFDM 2k, 8k	COFDM 2k, 8k	COFDM 2k, 8k
Symbol rate	2 - 35 MS/s	2 - 35 MS/s	2 - 35 MS/s
Output frequency range	(47) 110 - 862 MHz	(47) 110 - 862 MHz	(47) 110 - 862 MHz
Output level	90 dB μ V	90 dB μ V	90 dB μ V
Attenuators	0...20 dB	0...20 dB	0...20 dB
TV standard	B/G stereo	B/G stereo	PAL D / K.I: SECAM L
Power consumption	12 W	13 W	13 W

Modules terrestrial TV digital in accordance with QAM

Type	CHC 2022 QN
Order number	940 150-101



DVB-T

Technical data	
Implemented channels	2 (twin)
Input frequency range	174-230 MHz 470-862 MHz
AFC	\pm 4 MHz
Input level	30 - 80 dB μ V
Modulation type	COFDM 2k, 8k
Symbol rate	2 - 35 MS/s
Output frequency range	110-862 MHz
Modulation type	16 - 256 QAM
Output level	90 dB μ V
Attenuators	0...20 dB
Power consumption	12 W

CHC 2022 S1

Twin module with stereo modulator (B/G)

CHC 2022 S11

Twin module with stereo modulator (B/G)

CHC 2022 MI1

Twin module CI with multi-standard modulator

CHC 2022 QN

Twin module with QAM modulator
Datastream processing (NIT) and stuffing possible