



# ***Twin A/V Encoder OH 66***

Product information



#### **Features:**

- Analogue video input
- Digital SDI input
- QAM or COFDM\* modulation
- PSI/SI generation

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# Twin A/V Encoder OH 66



## Input video analogue

Input format	Composite FBAS-signal
Input Impedance	75 $\Omega$
Input level	1 Vss ( $\pm 0,4V$ ),
Frequency range	20 Hz ... 5 MHz

## Video processing

Encoding standard	MPEG 2 ISO/IEC 13818-2 MP@ML (4:2:2)
Bit rate	1,5 – 9 Mb/s in 1,5Mb/s steps; CBR & VBR
Picture size	720 pixel horizontal, 576 pixel vertical
Teletext	extraction from analogue video signal
Picture format	support for 4:3 and 16:9 automatic detection by WSS
PID setting	automatic; Manual overwriting possible
PSI/SI settings	automatic creation of PAT/PMT/SDT
NIT setting with LCN	Optional with CS77

## Input audio

Input format	Analogue (left/right) or digital (SDI with embedded audio)
Frequency range	40 Hz ... 15 kHz

## Audio processing

Sampling frequency	32/44,1/48 khz
Encoding standard	MPEG 1 L1/L2 ISO/IEC 13818-3
Bit rate	up to 192 kbit/s
Mode	stereo, joint stereo, dual, mono

## Output

QAM or COFDM* modulation	can be selected by the control software
Output frequency range	47–862 MHz
Spurious outside TV channel	$\geq 50$ dB

## QAM-Mode

Modulation scheme	16-, 32-, 64-, 128-, 256-QAM
Output frequency steps	500 kHz
Output channel bandwidth	8 MHz
Output level	88–103 dB $\mu$ V
MER	$\geq 40$ dB
Symbolrate	3.45–6.9 MS/s
Bit stuffing	yes
PCR correction	yes

## COFDM-Mode\*

Modulation scheme	COFDM
Output frequency steps	250 kHz
Output channel bandwidth	7/8 MHz
Output level	82–97 dB $\mu$ V
MER	$\geq 37$ dB
Modulation of single carriers	QPSK, 16-, 64-QAM
FEC	1/2, 2/3, 3/4, 5/6, 7/8
Guard interval	1/4, 1/8, 1/16, 1/32
FFT Mode	2k, 8k

## General data

Dimensions	220 x 105 x 29,5 mm
Connectors	
Video- / Audio-input	per channel 1 x BNC / 1 x stereo jack socket 3.5 mm
RF-output	F-connector
Operating temperature range	- 20°C to +55°C

\* available Q4/2012

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