

High level headends

Headline Series

Analogue to MPEG-2 TS encoder

New

SIG7404

The SIG7404 module encodes 4 analogue inputs. It enables the audio/video signals to be available in the transport stream in an MPEG2 form, distributed on the ASI output.

In a typical application, it can be connected to the SIG7121 module (modulator) that, using TS flow, creates a COFDM multiplex. It can also be connected to an IP encoder SIG7720 creating many IP multicast streams.



- Supports 4 input AV signals with coding and multiplexing
- Standard video channel MPEG-2 coding
- Bit rate 1 - 15Mbps
- Formats supported are Full D1, Half D1, SIF, QSIF
- Supports PAL and NTSC

Item Code		SIG7404		287075			
Input	Video connectors	CVBS, S-Video		Coding	MPEG-1 Layer I, Layer II		
	Video format	PAL, NTSC			Audio rate	Kbps 32, 64, 128, 192, 256, 384	
	Audio connectors	Analogue balanced			Audio sampling rate	KHz 32, 44.1, 48	
Output	Type	DVB-ASI		General features	Output connector	ASI	
	Max. bit rate	Mbps 170	Video standard		Video format	PAL, NTSC	
	Effective bit rate	Mbps 1-15			Video format	Full D1, Half D1, SIF, QSIF	
	Connectors	BNC, 75 Ohm			Mains voltage	Hz 220-240V~, 50-60	
	ASI mode	BYTE			Power consumption	W 30	
Video standard	MPEG-1, MPEG-2 MP@ML(4:2:0)			Dimensions	mm 318 x 483 x 44		
Coding	Video bit rate	Mbps 2.5-15	Operating temperature	°C -10 to +45			

Headline Series

COFDM modulator with ASI input

New

SIG7121

The SIG7121 modulates a signal received in the ASI input to DVB-T standard (using COFDM modulation). The main application is for signals coming from an SIG7404 analogue to ASI 4 input converter. LCN embedded.

- COFDM modulator with ASI input on the front panel
- Remote configuration and monitoring (via controller host SIG7905 and FHM software)
- High Definition (HD) compliant
- MPEG2/MPEG4 compliant



Item Code		SIG7121		283953		
Output signal	Output connector	F female		Output signal	MER	dB 38
	Output frequency	MHz 108-862	ASI input		ASI connector	BNC, 75 Ohm
	Frequency step	KHz 10		Back panel	Max. bit rate	Mbit/s 216
	Maximum output level	dBµV 85	TS input		Connector	48 pins on the back panel
	Level adjustment	dB 0-15		Type	Maximum bit rate	Mbit/s 100
	Loop-through loss	dB < 1.5	General features		Mains voltage	Vac, Hz 220-240~, 50-60
	Carrier	2K, 8K		Power consumption	W 11	
	Modulation	QPSK, 16QAM, 64QAM		Dimensions (rack version)	mm 35.5 (7e) x 133.3 (3U) x 240	
	FEC	1/2, 2/3, 3/4, 5/6, 7/8		Operating temperature	°C -10 to +45	
	Guard interval	1/4, 1/8, 1/16, 1/32				
Spectrum	Normal/inverted					

Headline Series

QAM modulator with ASI input

New

SIG7111

The SIG7111 modulates a signal received from the ASI input to DVB-C standard (using QAM modulation). It can be used to modulate different analogue signals coming from the SIG7404 encoder or to modulate Transport Stream available on the back panel from digital receivers (SIG7100, SIG7540, etc).

- QAM modulator with ASI input on the front panel
- Remote configuration and monitoring (via controller host SIG7905 and FHM software)
- High Definition (HD) compliant
- MPEG2/MPEG4 compliant



Available from end of 2011

Item Code		SIG7111
ASI input	ASI connector	BNC, 75 Ohm
	Max. bit rate	Mbit/s 216
TS input	Connector	48 pins on the back panel
	Type	Parallel
	Max. bit rate	Mbit/s 100
Output signal	Output connector	F female
	Output frequency	MHz 111-862
	Frequency step	KHz 10
	Maximum output level	dBμV 85 ± 3
	Level adjustment	dB 0-15
	Loop-through loss	dB <1.5
	Modulation type	DVB-C
	Channel bandwidth	Depends on SR output settings
	Symbol rate	Ksymb 3000-6999
	Carrier modulation	16QAM, 32QAM, 64QAM, 128QAM, 256QAM (adjustable)
	FEC	Reed Solomon (204, 188)
	Spectrum	Normal, inverted (adj.)
	Operating mode	Normal, single carrier (adj.)
	MER	dB >34
	Spurious rejection in the output range	dB <50
General features	Mains voltage	Vac, Hz 220-240~, 50-60
	Power consumption	W 10
	Dimensions (rack version)	mm 35.5 (7e) x 133.3 (3U) x 240
	Operating temperature	°C -5 to +45