4xAV Input to ASI Out MPEG2 Encoder
SIG7404H

HEADLine

The new SIG7404H 19" standard rack format is a Standard Definition Encoder which encode and remux its four Audio/Video composite input sources on DVB-ASI output interface.

The video resolution of the SIG7404H encoder can achieve 576i/480i by using the MPEG2 low latency encoding engine and the standard TS Mux technologies.

The SIG7404H, part of HEADLine product range, can transport the video/audio signals from TV satellite/terrestrial receivers, CCTV surveillance camera or video/media player to DVB-ASI output interface for different application.

For each analogue input source it's possible to change and setup the main digital programs parameters (Service Name, LCN, PMT, PCR Pids, and NIT).

The SIG7404H encoder can be easily managed through a very user friendly web interface built-in GUI or by using the local front panel.

The heat dissipation is done by natural convention (no cooling fan), therefore the maintenance cost is drastically reduced

Main Specifications (*)

- **Four A/V analogue Inputs**: two Standard Definition MPEG2 video format compatibility including 576i and 480i (Audio format compatibility including MPEG-1 Layer II).

- **Programmable video and audio parameters:** PMT, PCR PIDs, NIT LCN, Service Name

- **WEB interface included in each encoder:** easy and friendly settings management (basic setup available using the built in front panel).

- **"Fanless" product:** natural convention cooling for reducing maintenance costs.
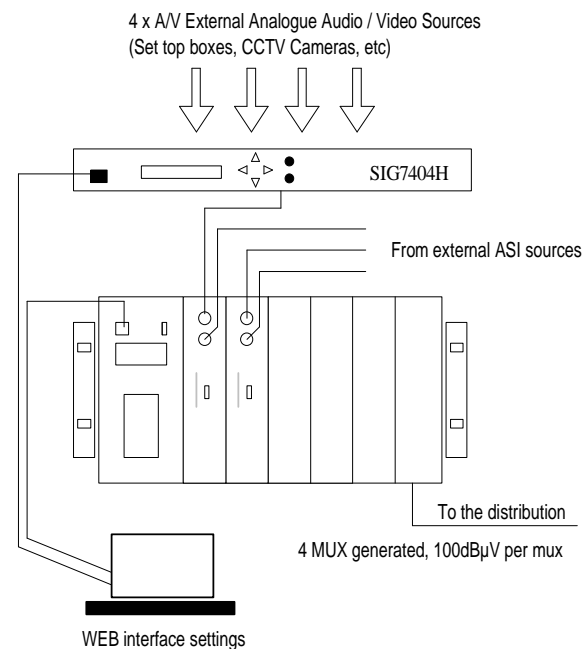
(*) Definitive specifications may change without notice.

		SIG7404H (*)
Fracarro code		287348
Inputs		
No. of inputs		4 x CVBS
Video connector		RCA
Video Impedence	Ohm	75
Audio connector		RCA (Left, Right stereo channels)
Audio Impedence	Kohm	10
Encoding		
Video resolution		576i/480i
Video compression		MPEG-2 Video(ISO/IEC 13818-2)/MPEG-2 MP@ML
Audio compression		MPEG-1 Audio Layer II (ISO/IEC 11172-3)
Audio encoding rate	Kbps	128,256,384
Advanced settings		
PID setting		PMT/Video/Audio/PCR
TS network confguration		NID/ONID/P.D.S./TS ID
LCN range settings		Up to 1023
Service name		15 characters
ASI Output		
No. of outputs		1 x BNC
Impedence	Ohm	75
Standard		DVB-ASI
Max. output bitrate	Mbps	108

		General features (*)
Connectors	Type	BNC (ASI Out),RCA (Video and Audio signal), RJ45 (settings through web interface built-in)
Mains supply	Vac, Hz	110~240, 50/60
Typical power consumption	W	25
Mounting		19 inch standard rack mount
Dimensions (L x H x W)	mm	440 x 44 x 280
Operating temperature	°C	0 to +45
Compliant		EN50083-2, EN60065

(*) Definitive specifications may change without notice.

Installation Examples

4 x A/V External Analogue Audio / Video Sources
(Set top boxes, CCTV Cameras, etc)

SIG7404H

From external ASI sources
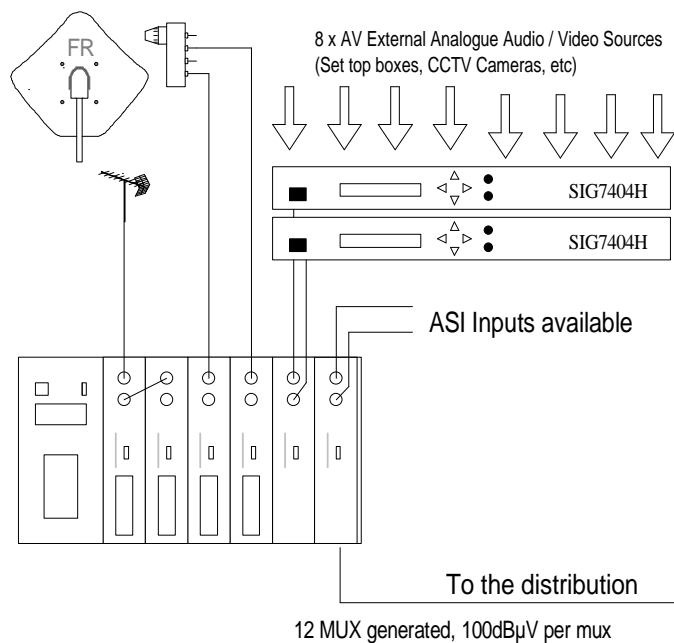
To the distribution

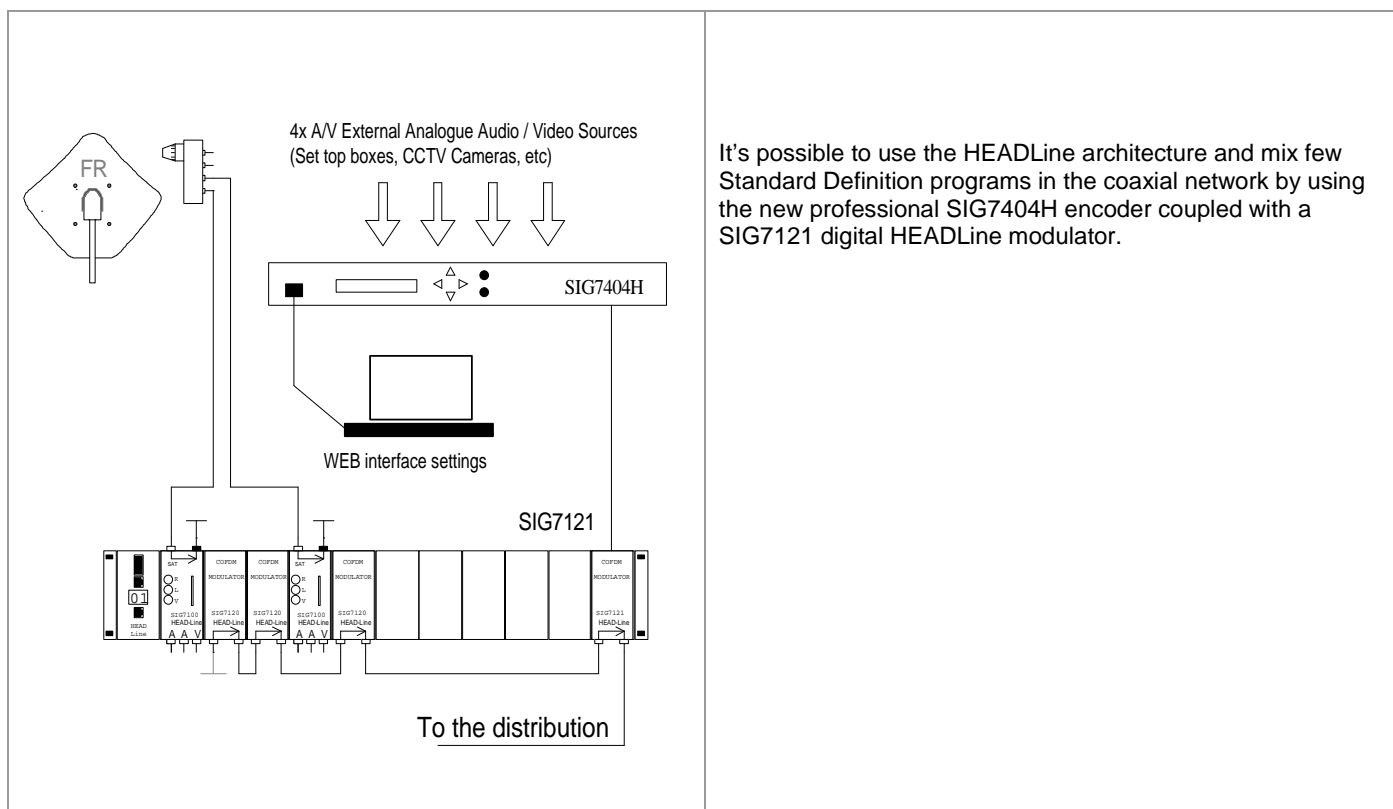4 MUX generated, 100dBµV per mux

WEB interface settings

The SIG7404H can encode up to four different Analogue sources, for example CCTV cameras, FTA set-top-boxes, and so on.

All settings can easily be made using the integrated WEB INTERFACE or through the local front keyboard.

By using the 3DG-2ASI-2T new module, it's possible to remodulate in DVB-T or DVB-C the ausiliary analogue sources by using the SIG7404H professional MPEG2 encoders.

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8 x AV External Analogue Audio / Video Sources
(Set top boxes, CCTV Cameras, etc)

SIG7404H

SIG7404H

ASI Inputs available

To the distribution

12 MUX generated, 100dBµV per mux

The 3DGFlex architecture allows the installer to create a mixed configuration in which it is possible to distribute the SD or HD programs received from the satellite dish, from the aerials as well as many Audio/Video analogue auxiliary content previously "encoded" by the digital external professional encoders (see example on the left side).

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4x A/V External Analogue Audio / Video Sources
(Set top boxes, CCTV Cameras, etc)

SIG7404H

WEB interface settings

SIG7121

To the distribution

It's possible to use the HEADLine architecture and mix few Standard Definition programs in the coaxial network by using the new professional SIG7404H encoder coupled with a SIG7121 digital HEADLine modulator.