

## 2xHDMI Input to ASI Out Digital Encoder SIG7802HD

# HEADLine



The new SIG7802HD 19" standard rack format is a dual HD video inputs digital encoder which encode and remux the input sources on DVB-ASI output interface.

The SIG7802HD is designed to achieve 1080i by using MPEG2 low latency encoding engine and standard TS Mux technologies.

The SIG7802HD, part of HEADLine product range, is an excellent choice to transport video/audio signals from TV satellite receivers, CCTV surveillance camera or video/media players to ASI output interface for different application.

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

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

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

### Main Specifications (\*)

- **Dual HDMI Inputs:** Multiple video format compatibility including 1080i, 720p, 576p and 480p and Multiple 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.

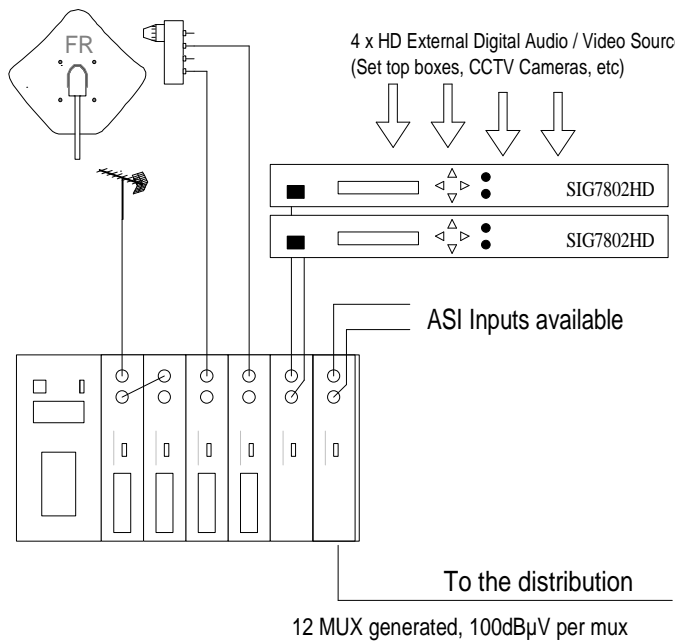
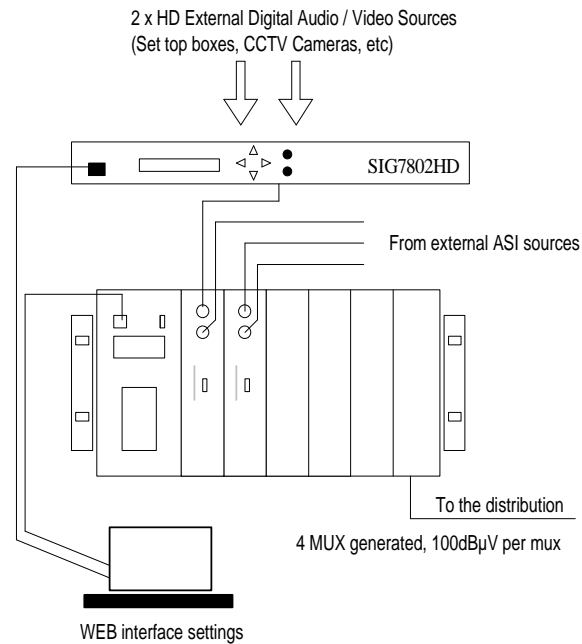
(\*) Definitive specifications may change without notice.

		SIG7802HD (*)
Fracarro code		287349
<b>Inputs</b>		
No. of inputs		2 x HDMI (Type A receptacle)
Video		compliant with HDMI 1.3a
Audio		HDMI
<b>Encoding</b>		
Video resolution		Up to 1080i 30Hz
Video compression		MPEG-2 Video(ISO/IEC 13818-2)/MPEG-2 MP@ML MPEG-2 MP@H-14L/
Audio compression		MPEG-1 Audio Layer II (ISO/IEC 11172-3)
Audio encoding rate	Kbps	128,256,384
<b>Advanced settings</b>		
PID setting		PMT/Video/Audio/PCR
TS network configuration		NID/ONID/P.D.S./TS ID
LCN range settings		Up to 1023
Service name		At most 15 characters
<b>ASI Output</b>		
No. of outputs		1 x BNC
Impedance	Ohm	75
Standard		DVB-ASI
Max. output bitrate	Mbps	108

		General features (*)
Connectors	Type	BNC (ASI Out), HDMI 1.3a (Video/Audio input signal), RJ45 (settings through web interface built-in)
Mains supply	Vac, Hz	110~240, 50/60
Typical power consumption	W	40
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

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## Installation Examples

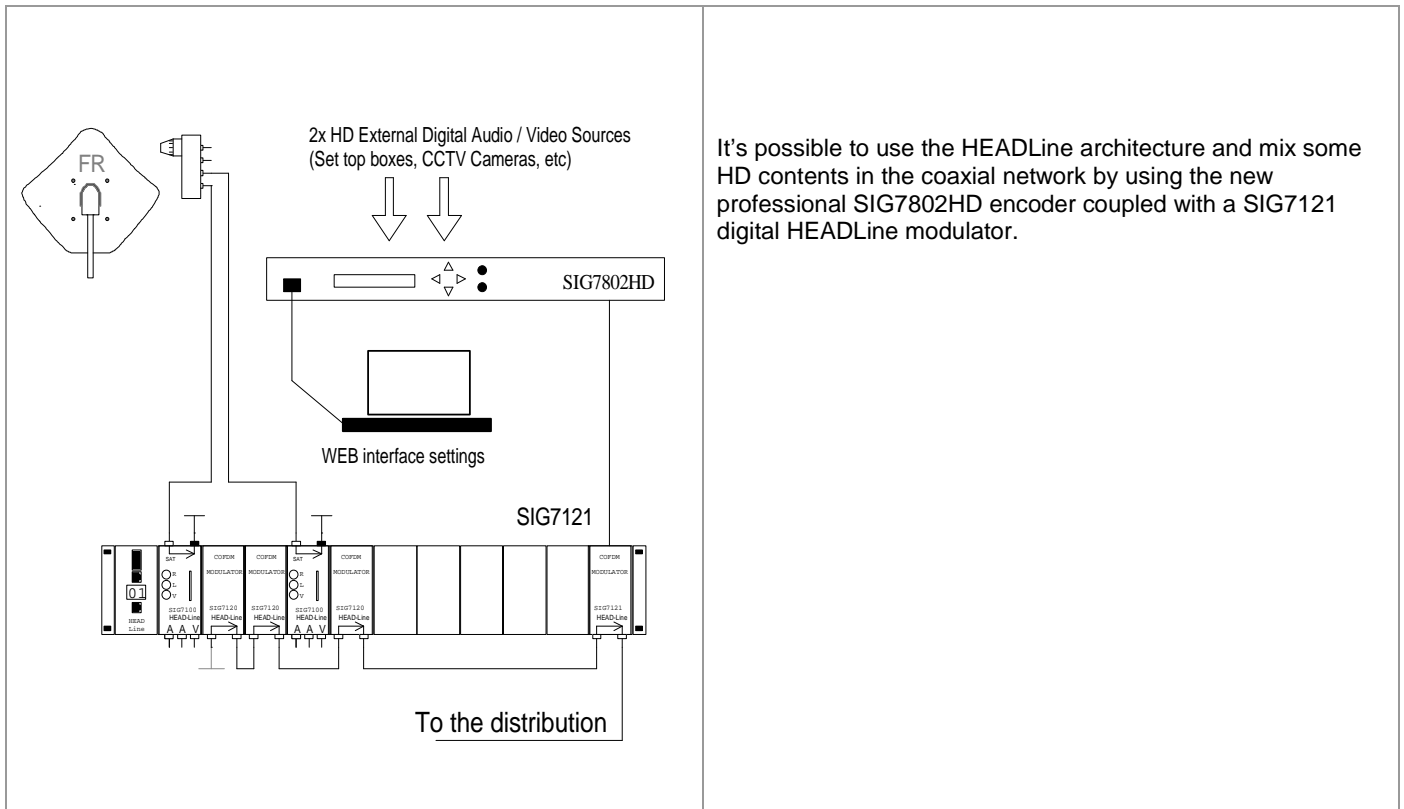


The SIG7802HD can encode up to two different HD digital sources, for example HD CCTV cameras, FTA set-top-boxes, and so on.

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 auxiliary HD digital sources by using the SIG7802HD professional encoders.

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 HD auxiliary content previously "encoded" by the digital external professional encoders (see example on the left side).



It's possible to use the HEADLine architecture and mix some HD contents in the coaxial network by using the new professional SIG7802HD encoder coupled with a SIG7121 digital HEADLine modulator.