



FRACARRO

SIG9708CI

SMATV headend with **8 digital QPSK** receivers with **Common Interface**



High quality **free to air** and **encrypted**

Description

SIG9708CI is an SMATV headend for the reception and distribution of 8 digital satellite channels free to air or encrypted. It demodulates 8 digital channels and remodulates them into the RF band (47-862MHz). The headend includes 8 QPSK receivers with CI slot, 8 A/V vestigial modulators, 8-way combiner with existing TV signal mixing and power supply unit. Two A/V input/output connectors are available to connect external devices to two receivers.



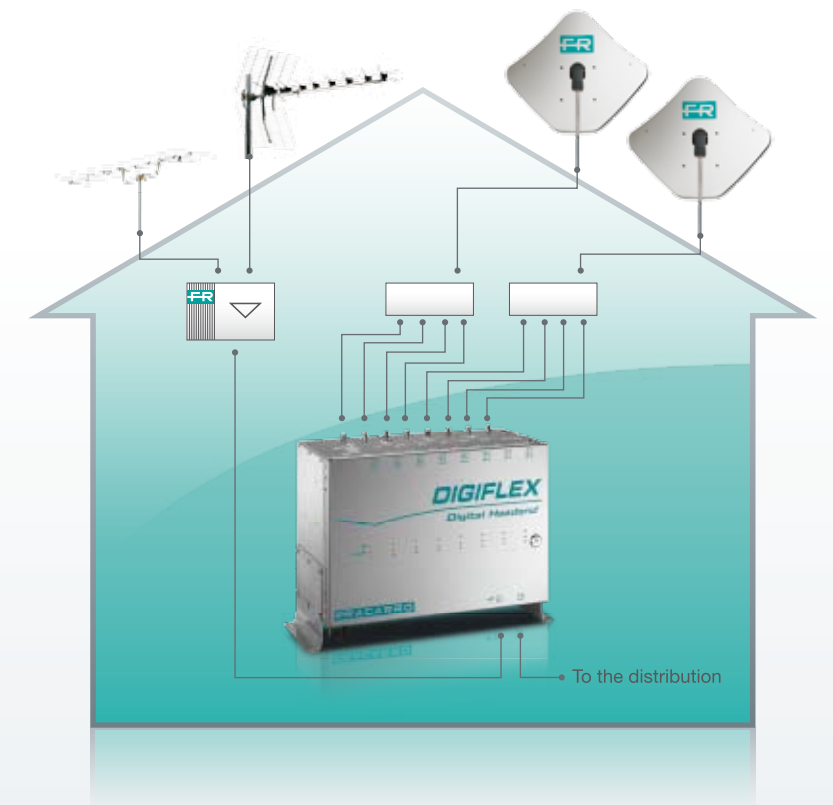
Key Points

- ▶ Easy to install, included in one box:
 - Power supply
 - 8 QPSK receivers with Common Interface slot
 - 8 A/V vestigial side band modulators wideband (47-862MHz) with audio stereo
 - Combiner to mix 8 RF channels
 - Final amplifier 98dB μ V per channel
- ▶ Each receiver can generate 14 or 18V, 22KHz tone and DiSEqC 1.0, suitable to feed LNB or control multiswitch output
- ▶ Front panel completely removable, with key lock to avoid common interface modules or cards being stolen
- ▶ Programmable by means of TPE, OSD available for easy programming
- ▶ Software available to set the headend using PC
- ▶ Wall mount or 19" cabinet installation
- ▶ Software can be upgraded on site using a PC
- ▶ Output level adjustment separate for each channel, adjustable via software
- ▶ A/V output/input to connect two receivers to external modulators or to modulate signal from two external sources (DVD players, cameras, etc.)
- ▶ Heat dissipation by natural convection, no fans required, maintenance costs reduces.

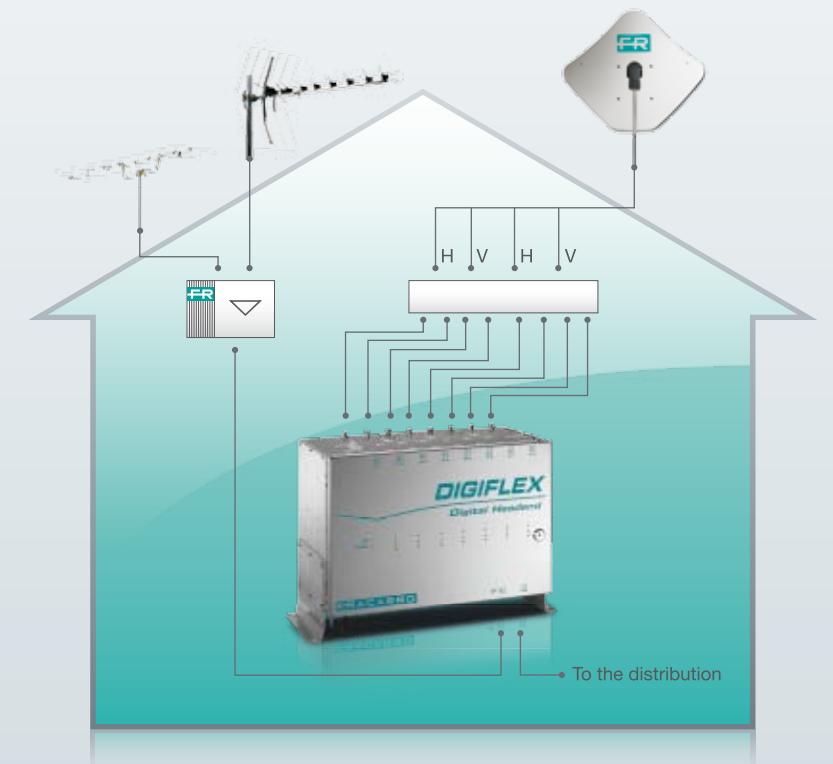
Installation examples

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External splitter to split the signal:



Using a multiswitch to distribute signals to all receivers:



Item Code		SIG9708CI 283141
SAT QPSK/TV COFDM Input	Input frequency	950-2150MHz
	Input level	45-80dBμV
	Impedance	75 Ohm
	Bandwidth	36MHz
	Input step tuning	1MHz
	AFC range	-3 to +3MHz
	LNB power supply	0/14/18VDC - 0/22KHz - max 400mA@14VDC - DiSeqC 1.0
QPSK Demodulation	Symbol rate	1-40 Msymb/sec (compatible SCPC/MCPC)
	FEC	AUTO
MPEG Specification	Video decoder	MPEG-2 Main profile, Main level (MP @ ML)
	Audio decoder	MPEG-2 Layer I and Layer II
	Colour standard	PAL
	Video format	4:3, 16:9, pan scan, letter box
	Audio format	Stereo, dual sound
	Teletext	yes
TV modulator	Modulator	VSB
	Standard	PAL B/G Stereo
	Output frequency	47-862MHz
	Channels	E2-E69
	Output level	98dBμV
	Output level adjustment	15dB (independent for every channel)
	Audio level adjustment	10dB (adjustment steps)
	S/N weighted	54dB
	Output channel programming	By frequency (steps of 250KHz) or by channel
	No. of outputs	1 output and 1 mix input
	TV mixing input	47-862MHz
	TV mixing insertion loss	4dB
	Test signal	Black screen or white rows to be used for radio signal distribution
General features	Input connectors	1 F connector for every channel
	Output connectors	2 F connectors (output and mix input)
	A/V input connectors	2 x SUB-D 15 pin
	Programming unit	External programming unit TPE
	Mains voltage	220-240Vac, 50-60Hz
	Consumption	120W
	Compliant	EN50083-2, EN60065, EN50221, ETSI TS101699
	Dimensions	430x305x200mm
	Operating temperature	-10 to +45°C

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