



FRACARRO

TV over IP

SIG77.. Series

Discover IP network
with our professional
solutions



Description

Thanks to the great amount of experience in the telecommunication industry, Fracarro has designed and created a **new family** for the **IP encapsulation**.

IP technology allows you to receive **TV satellite** and **digital terrestrial signals**, or signals coming from **audio/video** sources (cameras, video recorders..), and distribute them **via LAN** (Ethernet): so that **TV** can be watched directly by a **PC** or by a traditional **TV set** through the means of an **IP STB**. Using multicast mode, the programs can be transmitted and seen simultaneously by several users without occupying too much space of the available bandwidth.

Key points

- ▶ Complete remote control of the system without needing a dedicated PC
- ▶ Bandwidth optimisation, streaming the modules only upon the customer's request
- ▶ Programs and services delivered as multicast streams

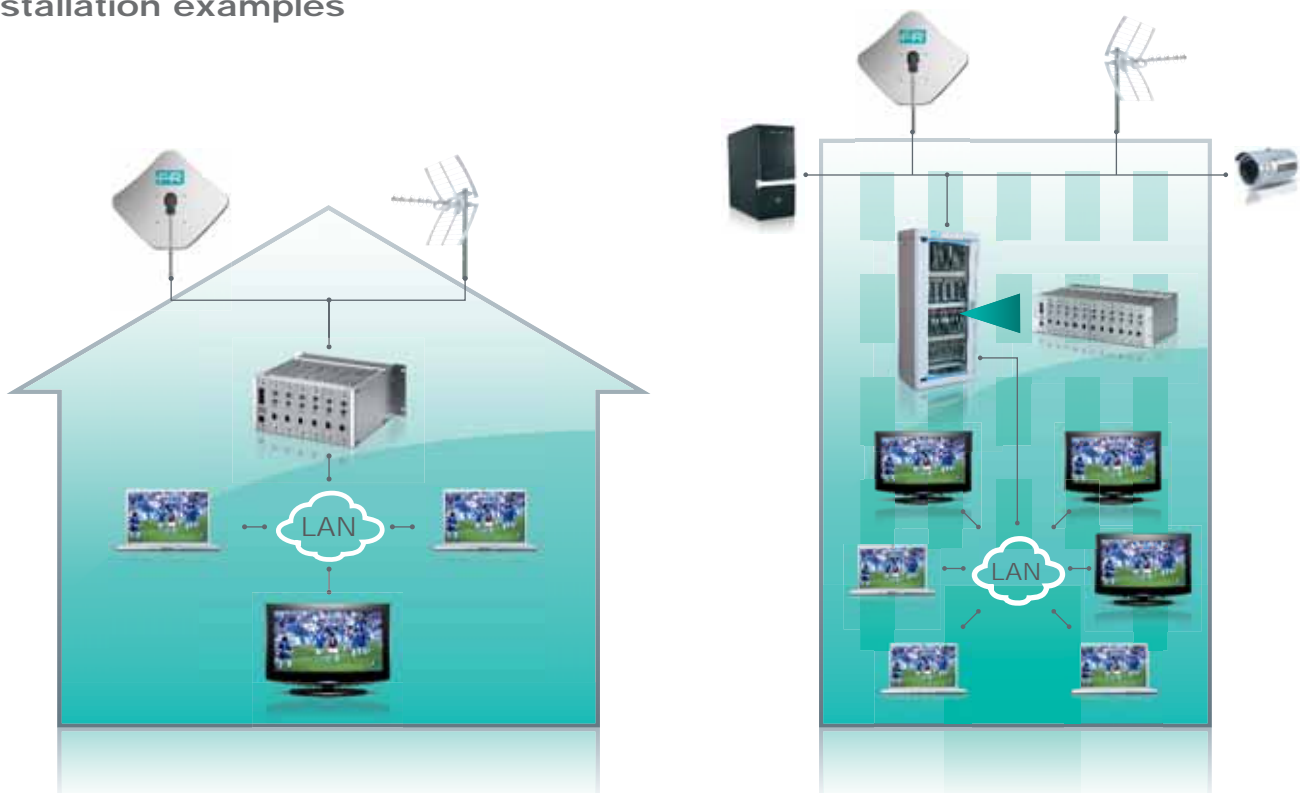
The main **advantage** of this new technology is **multimediality**, which means that it is possible to take advantage of **various services** such as network navigation, data exchange, telephone, fax, TV, radio and VoD (Video on Demand), thanks to a **unique means** of transmission, the Ethernet cable.

These characteristics make IP technology a solution suitable to any type of installation, from small installations to medium or large, such as hotels, residences, resorts, companies, banks and hospitals.

Fracarro has enhanced its professional headend solution, **Headline**, by offering a complete range of products for signal encoding over IP.

- ▶ Very easy and user-friendly system set-up
- ▶ Modular system, the headend can be updated and extended according to your needs (for example, switching on new transponders)
- ▶ Hot-insertion of the modules; it is possible to add or change the modules without switching off the whole headend

Installation examples



System set up

The system can be easily managed remotely: in small installations, we recommend accessing each module directly, while, for large installations, a dedicated module (item SIG7905) is available to manage the whole headend.



Setting the module IP address

Fracarro encoders include IP gateway that allows access to the module without a dedicated PC. Also IP Address and Subnet Mask can be set.

In 3 steps, the set-up is completed!

The system set-up is extremely easy and user-friendly.



1) Set the input source



2) Choose the programs that will be available for the transmission (streaming the modules only upon the customers request)



3) Assignment of multicast flows

Technical data

Item Code		SIG7710 283945	SIG7730 283946		
INPUT	Input frequency	MHz	950-2150	174-230, 470-862	
	Input frequency step	MHz	1	-	
	Min. frequency step	KHz	-	166.7	
	AFC	MHz	±3		
	2K	KHz	-	±285	
	8K	KHz	-	±142	
	Loop-through loss	dB	<1.5	<1.5	
	Input level	dBμV	40-84	30-80	
	Return loss	dB	10	-	
	LNB power supply	V, KHz, mA	14/18, 0/22, 200@14V	-	
	DiSEqC		1.0	-	
	Demodulation		ETS 300421	-	
	Symbol rate	MS/sec	1-40	-	
	FEC		1/2, 2/3, 3/4, 5/6, 7/8, auto	-	
INPUT SIGNAL	Carrier		-	2K, 8K	
	Modulation		-	QPSK, 16QAM, 64QAM	
	Hierarchy		-	High / low priority	
	Timeguard		-	1/4, 1/8, 1/16, 1/32	
	FEC		-	1/2, 2/3, 3/4, 5/6, 7/8, auto	
	Demodulation		-	ETS300744	
OUTPUT	Connectors	type	F		
	Connectors	type	RJ 45 Ethernet LAN IEEE 802.3 100 base T		
	Encoding standard		ETSI TS102034		
GENERAL CHARACTERISTICS	Type of streaming		IPv4 Multicast/Unicast		
	Power supply	V, Hz	220-240~, 50-60		
	Consumption	W	11	4	
	Dimensions (rack version)	mm	35 (7e) x 130 (3u) x 240		
Operating temperature	°C	-10 to +45			

Also for IP Encoders, Fracarro has extended its warranty to 4 years. Valid only in the EU.
For further information visit our web site: www.fracarro.com

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