

Digital TV programmable profiler **FRPRO LIGHT HD**



The Fracarro **FRPRO LIGHT HD** profiler is a flexible and programmable compact high-selectivity headend, equipped with an innovative technology, that allows to **filter, convert, amplify** and distribute many **DVB-T/T2** digital terrestrial multiplexes available in **VHF/UHF** band with the possibility to mix also the FM signal on the output distribution.

FRPRO LIGHT HD is a "**Flexible**" **Digital Terrestrial Channels processor** that can be used to manage TV signals in **small or medium** installations such as Hospitality environment.

Thanks to the output **signal auto equalization feature**, the compact profiler can also be used in the most critical or **difficult reception contexts**.

Characteristics

- **Output Signal Perfect Equalization:** the **FRPRO LIGHT HD** profiler equalizes the TV output signals in order to guarantee a **perfect stabilized signal in every condition**. In this way all the distributed TV programs are correctly available in every coaxial system socket.
- **Iso-frequency filtering or TV channels processor:** the product can manage and process in a "Matrix way" up to **30 independent RF channels** with a very high selectivity, especially regarding the adjacent channels.
- **Automatic Gain Control feature:** the profiler offers an "real time" Automatic Gain Control system for each multiplex managed in the VHF/UHF band
- **VHF, 2 UHF inputs and one extra FM input:** **FRPRO LIGHT HD** is equipped with 4 independent inputs: FM input, VHF and 2 UHF inputs with remote 12- 24V selectable power supply for all VHF and UHF ports.
- **Easy, quick and secure setup:** thanks to the display and the three buttons available on the front panel, the Profiler Light settings is **very easy**, fast and intuitive; in addition, a security PIN code is provided to prevent accidental settings.
- **Auto LTE filtering:** each UHF input is equipped with a high-performance LTE filtering that automatically set itself to cut frequencies higher than 790MHz (4G) frequency or higher than 700MHz (5G) depending on the digital terrestrial multiplexes managed in the VHF-UHF inputs.
- **Easy and quick maintenance:** the power supply can be easily removed on the field and can be replaced with another with equal technical characteristics, in order to minimizing any service interruption.

FRPRO LIGHT HD		
Fracarro code	287523	
Inputs		
Input number	N°	4 (FM, VHF+DAB, UHF 1 e UHF 2)
Bandwidth	MHz	FM: 88-108; VHF: 174-240; UHF: 470-862
AGC range	dBµV	FM: 37-77; VHF: 45-109; UHF: 45-109
LTE filtering	MHz	Automatic selection 694, 790 or disabled
Outputs		
Output number	N°	1, Test (-30dB)
Maximum level	dBµV	FM: 113 (60dB/IM3); VHF: 105; UHF: 105 (per 15 mux)
Level adjustment	dB	20
Gain (Adjustment)	dB	FM: 35 (20); VHF: 35 (auto AGC); UHF: 45 (auto AGC)
Slope adjustment	dB	9
Selectivity	dB@1MHz	35
Typical MER	dB	VHF: 35; UHF: 35
General characteristics		
Mains voltage	V, Hz	100-240, 50/60
Consumption	W	12
Remote power	V, mA	12 or 24, 100 total (for VHF, UHF 1 and UHF 2 inputs)
Dimensions (l x h x w)	mm	217 x 165 x 59
Operating temperature	°C	-5 to 50
Weight	Kg	0,8

Code	Article	Packaging	Quantity	Dimensions	Net Weight	Total Weight
			pcs	Mm	kg	kg
287523	FRPRO LIGHT HD	Single	1	270 x 228 x 68	0.75	0.80