

“Home Fibre” OPT TX-DT, OPT RX-DT

Transmitter & Quattro Receiver



Fracarro's innovative Home Fibre Optic system designed for its simplicity of installation from the headend to the wall outlet. The system uses a conventional LNB and dish assembly requiring no special optical alignment tools. It is capable of carrying all satellite and terrestrial signals through a single 9/125 glass fibre. Additional transmitters can be cascaded using a standard 5 core co-axial back bone giving greater flexibility in system design to supply a large number of outlets.

Main Specifications

- Installation using a standard LNB and dish
- AGC on transmitters enables the use of several different diameter dishes.
- Cascadable solution similar to MSW distribution
- Up to 21dB optical distribution loss
- Quick and easy to install
- Complete terrestrial bandwidth

Home fibre Transmitter OPT TX-DT		
Fracarro code		270694
RF inputs	No.	5 (4 SAT + 1 TERR)
RF outputs	No.	7 (4 SAT + 1 TERR + 2 TEST)
Optical output	No.	1 SC/APC
SAT Inputs		
Bandwidth	MHz	950 - 2150
Connectors		F Female
Input return loss	dB	10
Trunk insertion loss	dB	<2
Input level	dBuV	69 – 86
TV Input		
Bandwidth	MHz	87 – 862
Connectors		F Female
Input return loss	dB	10
Trunk insertion loss	dB	1
DVB-T input level	dBuV	80 @10 ch
FM input level	dB	10 less than TV
Test Output		
Bandwidth	MHz	87 to 862/950 to 2150
Connectors		F Female
Input return loss	dB	10
Test connector attenuation	dBuV	59 each channel
Optical Output		
Connectors		SC/APC



Wavelength	nm	1310
Optical power	dBm	7 (5mW)
Optical return loss	dB	>45
Safety class		1M

Main Features		
Mains	Vac/Hz	184 - 264/50 - 60
Power consumption	W	15
Remote LNB powering	mA	200 @ 14V (4 SAT connectors)
Operating temperature	°C	-5 to +55
AGC dynamics laser modulation	dB	20
LED		Green power on Red laser extra current
Standard conformity		CEI EN 50083-2 EN60065

Fracarro code	Item	Packaging	EAN CODE	Qty	Dimension	Net weight	Gross weight
				Pcs	mm	Kg	Kg
270694	Home fibre transmitter	Single	8016978091829	1	230 x 230 x 50	1.7	1.9

Home fibre Receiver Quad OPT RX-DT		
Fracarro code		270693
Optical input	No.	1 SC/APC
RF outputs	No.	4 TERR + SAT
Optical Input		
Optical connector		SC/APC
Wavelength	nm	1310
Optical return loss	dB	>45
Max. optical input level	dBm	-7
RF Outputs		
Bandwidth	MHz	87 – 862/950 - 2150
Connectors	Type	F female
Return loss	dB	10
Output level @ 20dB optical attenuation	dBuV	70 (TV) and 70 (SAT)
Output connector control		DiSEqC
Main Features		
Mains	Vac/Hz	184 – 264/50 - 60
Power consumption	W	7
Operating temperature	°C	-5 to +50
LED		Green power on
Standard conformity		CEI EN 50083-2 EN60065

Fracarro code	Item	Packaging	EAN CODE	Qty	Dimension	Net weight	Gross weight
				Pcs	mm	Kg	Kg
270693	Home fibre receiver	Single	8016978091829	1	250 x 140 x 50	0.7	0.8