



SAT-IF fibre optic

your innovative partner

Infinity 3100

The optical fibre transmission System Infinity 3100 combined 4 DVB-S and 1 CATV transmitter / receiver is a perfect complement to the multiswitch systems.

With the optical transmitter / receiver and the optical splitter you have unlimited solutions to build large satellite-IF networks in high quality. The Infinity 3100 is an advanced communication solution for cable operators and professional installers..

Also point to point connections up to 150 km are possible.

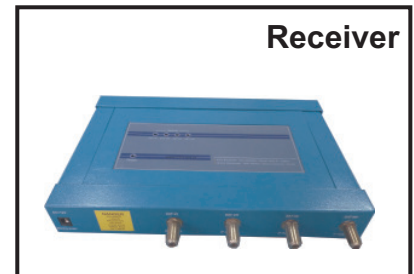
The transmitter is assembled into a 19" standard chassis and also the receiver is available with 19" rack.

DVB-S and CATV optical transmitter adopted with high linearity DFB laser and are equipped with an AGC..

The CATV laser is with reffridgeration.

An LCD on the front panel display provides error diagnosis and status present.

For distribution networks different splitters from 2 way, 4 way, 8 way and 16 way are available in the range.



Picture: Receiver for 4 x SAT-IF



Transmitter and receiver are available with 4 x SAT-IF and with and without CATV. Moreover single line (1 x SAT-IF) products are in the range.

Technical Information

CATV operating bandwidth	47-862 MHz
DVB-S operating bandwidth	950-2400 MHz
CATV output power	6-24 mW (1310nm)
DVB-S output power	1-8 mW (1310nm)
CATV receiving sensitivity	>= -10dBm
DVB-S receiving sensitivity	>= -13dBm
Wavelenght option for transmitter	1310nm, 1550nm
Optical connector	SC/APC
Return loss	>=55dB
PD type	PIN
IF input range	-25...-14 dBm
IF output range	-15...-40 dBm
Flatness (40 MHz)	0,5 dB
(950-2400MHz)	+/- 1 dB
RF-return loss	12 dB
Link gain	25dB

Application

