UNIFIBER™

dSCR Optical Receiver
with 2x Legacy/dCSR and 2x DTT outputs
IDLF-RXL002-W0000-OPR
Item: 6114

The Unifiber™ dSCR optical receiver connects to an Inverto's Unifiber™ optical transmitter over a fiber Passive-Optical-Network to receive satellite and terrestrial signals combined over a single fiber cable. The dSCR receiver offers 2 Legacy/dSCR ports with combined DTT signal and 2 stand alone DTT ports supporting all FM, DAB and VHF/UHF DTT broadcasts. Each of the dSCR ports provide 16 User Bands and supports Legacy mode on startup with an automatic switch from Legacy to dSCR. The receiver can be powered by an external power supply through the DC-In port or by the STBs connected to the dSCR ports. A status LED helps the installer to validate the power level of the optical input signal and guarantee the quality of the RF signals at the outputs of the receiver.

Main Features:

- Built-in high dynamic range optical AGC (-15~-5dBm) increasing signal quality
- Optical wavelength 1100-1650 nm, works with all Inverto Unifiber transmitters
- 2 Legacy/dCSR satellite ports with combined DTT, programmable (with SatPal*)
- 2 DTT ports supporting all FM, DAB and DTT broadcasts
- Quick and easy install, power from external power supply or satellite ports
- For indoor installations, IP54

* sold separately

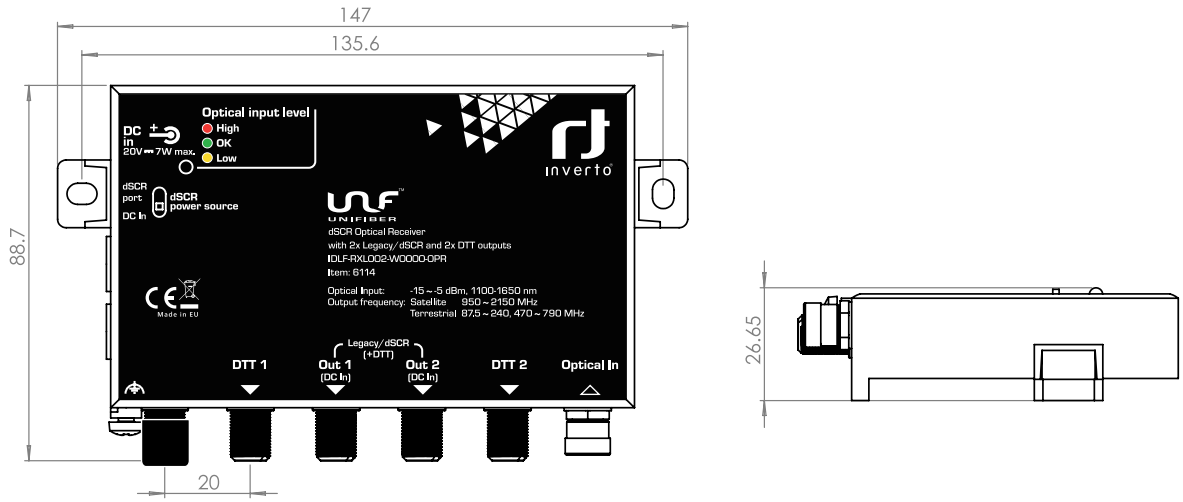
Technical data

Optical input	
Wavelength	1100 ~ 1650 nm
Optical input level (with AGC)	-15 ~ -5 dBm
Optical port	1, FC/UPC
Unicable outputs	2x Sky dSCR (16 UBs) / SatCR / Legacy auto-detect with combined Terrestrial signal
Satellite frequency range	950 ~ 2150 MHz
Output power level (AGC) - dSCR	-25 dBm (83dBuV)
Output power level (AGC) - Legacy	-25 dBm (83dBuV)
Output level variation - dSCR	2 dB max.
Output level variation - Legacy	4 dB max.
User bands	Sky UK (dSCR) User Bands: UB3: 1680 MHz UB9: 1280 MHz UB11: 1380 MHz UB14: 1480 MHz UB15: 980 MHz UB16: 1030 MHz UB17: 1080 MHz UB18: 1130 MHz UB19: 1530 MHz UB20: 1580 MHz UB21: 1630 MHz UB22: 1730 MHz UB23: 1780 MHz UB24: 1830 MHz UB25: 1880 MHz UB26: 1930 MHz EN50494/EN50607 User Bands: 1: 1210 MHz (EN50494) 2: 1420 MHz (EN50494) 3: 1680 MHz (EN50494) 4: 2040 MHz (EN50494) 5: 985 MHz (EN50607) 6: 1050 MHz (EN50607) 7: 1115 MHz (EN50607) 8: 1275 MHz (EN50607) 9: 1340 MHz (EN50607) 10: 1485 MHz (EN50607) 11: 1550 MHz (EN50607) 12: 1615 MHz (EN50607) 13: 1745 MHz (EN50607) 14: 1810 MHz (EN50607) 15: 1875 MHz (EN50607) 16: 1940 MHz (EN50607)
User band bandwidth	default 46MHz (20-64 MHz configurable)
User band gain ripple	3 dB max.
Control protocols	Sky dSCR / SatCR / EN50494 / EN50607 DiSEqC 1.x / 2.0, 13/18VDC + 0/22kHz, Legacy/dSCR auto-switching
Isolation dSCR-dSCR ports	30 dB min.
Isolation dSCR-DTT ports	30 dB min.
DTT frequency	88 ~ 240 MHz, 470 ~ 790 MHz
DTT output level	-33 dBm (75dBuV)
DTT output level variation	4 dB max.
Return loss	10 dB min.
Impedance	75 Ω
DTT outputs	
Output ports	2, F-type
Frequency range	FM/DAB/VHF 88 ~ 240 MHz UHF 470 ~ 790 MHz
Output level	-33 dBm (75dBuV)
Output level variation	4 dB max.
Return loss	8 dB min.
Impedance	75 Ω

Isolation DTT-DTT ports	25 dB min.
Power supply	20 V DC, 3.5/1.3 mm DC jack
dSCR ports power supply	13/18VDC
Power consumption	6.8 W max.
Earthing terminal	Yes
Optical input level LED	Green = OK, RED = High optical input power, Yellow=Low optical input power
dSCR ports power supply options (manual switch)	from DC in / from connected STB
Operating temperature	-20°C ~ +50°C
Dimenssions	147 x 89 x 26 mm
Weight	360 g

Logistical info

Packaging dimensions (h x w x d)	16.4 x 10.2 x 3.1 cm
Packaging weight	0.4 kg
Quantity per carton	20 pcs
Carton dimensions (h x w x d)	12.2x33.9x32.2 cm
Carton weight	8 kg
Quantity per pallet	1200 pcs



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