

## INPUT MODULES : SATELLITE AND TERRESTRIAL

Below input modules allow the reception of satellite signals or terrestrial/cable signals which are then converted to a transport stream available on the backplane of a rack. They can be followed with an output module or CI slot.

In the rack they can be preceded by another input module, in order to combine the different sources in one transport stream.

### DTVRR12

- Four full band tuners, SCR-dCcss compatible
- Each input can feed 8 demodulators
- 8 x DVBS/S2/S2X/multistream demodulators

EAN code	5420037699797
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### DTVRR13

- Four full band tuners, SCR-dCcss compatible
- Each input can feed 8 demodulators
- 8 x DVBS/S2/S2X/multistream demodulators
- 1 USB input for playing .ts files or
- 1 HDMI input connecting an external source

EAN code	5420037699803
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### DTVRR14

- 1 terrestrial / cable input with loop out
- 4 DVBT/T2/C tuners

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\*Specifications, descriptions and photographs are subject to change without notice.

\*The products comply with the requirements of the CE mark. The declaration of conformity is available upon request.

## TECHNICAL SPECIFICATIONS: RR12+RR13

INPUT		
SAT inputs (x4) (wide band capture)	Frequency	950-2150 MHz
	Input level	-70 dBm to -5 dBm
	LNB supply	13/18V - Tone - DiSEqC - SCR - dCss - (300mA each input)
Demodulators (x8)		
DVB-S	Modulation - symbol rate	1...45 MSps
	System	QPSK
DVB-S2	Modulation - symbol rate	1...45 MSps
	System	QPSK, 8PSK, 16APSK, 32APSK, CCM, ACM, VCM, Single transport stream, Multiple transport stream Generic Stream Encapsulation
DVB-S2X	System	QPSK, 8PSK, 8APSK-L, 16APSK, 16APSK-L, 32APSK, 32APSK-L, 64APSK, 64APSK-L, 0
HDMI input : Video (only RR13)	Resolutions	480P - 576P - 720P - 1080i - 1080P
	Compression	H.264 - bitrate 5-15 Mb/s
HDMI input : Audio (only RR13)	Audio rate	HDMI (32kHz / 44.1 kHz / 48 kHz)
	Compression	AAC-LC / MPEG1-L2 - bitrate 128-320 Kb/s
USB input (only RR13)	Format	USB3.0 - MPEG4 transport stream

## TECHNICAL SPECIFICATIONS: RR14

INPUT		
Number of inputs		1
Loop out		1
Loop out loss	dB	0
<b>DVBT/T2 reception</b>		
Input frequency	MHz	110-862
Input level	dBµV	33-88
Constellation - Mode		QPSK, 16, 64, 256 QAM 1K, 2K, 4K, 8K, 16L, 32K
<b>DVBC reception</b>	Modulation - symbol rate	1...45 MSps
Input frequency	MHz	42-1002
Constellation - Mode	- / MHz	QPSK, 16, 32, 64, 128, 256 QAM / 6, 7, 8
Symbol rate	MSps	1-7.2
Supported annexes		A and C