ROTON F

IP→RF

VECTOR TECHNOLOGIES

GBE (IP) INTERFACE

IP INPUT throughput	up to 350 Mb/s (up to 10 Mb/s per service)
Supported streams	SPTS/MPTS
Supported protocols	UDP
Transmission type	Multicast
Transmission stream	MPEG-2 ISO/IEC 13818 MPEG-4 ISO/IEC 14496

ANALOG OUTPUT

Number of carriers	Up to 24 (One RF port)
Modulation	PAL/SECAM (VSB), FM, NICAM, A2
Frequency range	40 - 862 MHz
Output level typical	104 dBµV
CNR (after internal combining) SNR (after internal combining)	60 dB > 53 dB

TECHNICAL SPECIFICATION

Video format	MPEG-2 HD/SD MP@ML H.264/A VC High Level 4.1 high profile
Image format	PAL, SECAM
Aspect ratio	4:3 / 16:9
Image resolution	up to 1080i
Audio formats	MPEG-1 Layer II, AAC
Sampling frequency	48, 44.1, 32
Encoding bit rate	32…384 kbps
Output volume adjustment	0 - 100 %

MANAGEMENT AND CONFIGURATION

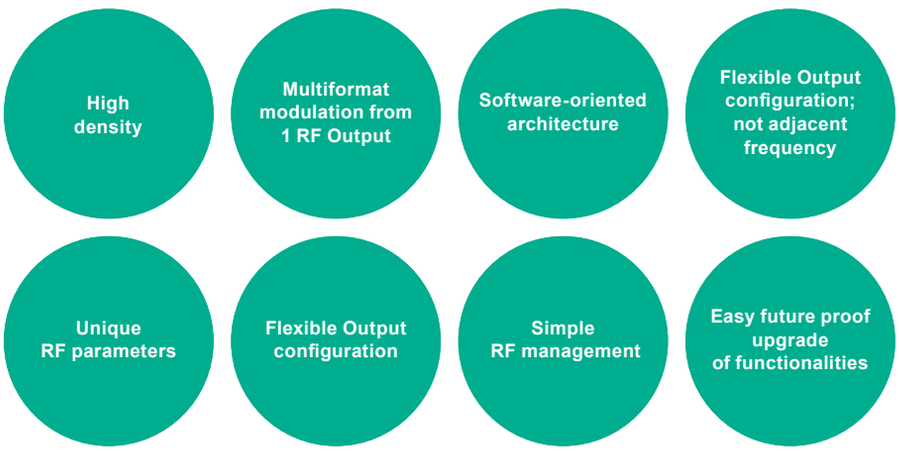
Embedded WEB server	√

OTHERS

Housing	1 RU, 19''
Dimensions (W x H x L)	483 x 44 x 502 mm
Weight	12 kg
Power supply voltage	100…240 V AC
Power consumption	130 W
Operating temperature	5…50 ºC
Humidity	80 %

FEATURES

Service redundancy (separately for each service)	√
Two 1 Gb input ports for streams	√
Mosaic	√
Double audio (A2/NICAM and mono FM)	√



Multiple functions

High scalability

Easy to extend

Standard 19" housing

IP Input

PAL/SECAM Output

A2/NICAM Stereo Audio

Software-oriented architecture

Simple RF management

Multiformat modulation from 1RF Output

What MSOs require is the highest quality of technical parameters, scalability, predictable efficiency and low operating costs. ROTON is VECTOR's response to these needs. The offered platform is a perfect solution for the area where analog and digital transmission meet. This is where the conversion of IP digital transmission into analog takes place in order to generate PAL, SECAM offer.

When optimizing the ways of generating the TV offer our customers look for the highest quality and the scalability of the solution, which facilitates the conversion of IP to RF as close to the subscriber as possible. ROTON platform concept is intended to respond to the modern HUB - a remote location in the operator's network, which fed with the Video content in the IP format is able to provide any offer in the RF technology and others.

DIGITAL TELEVISION SOLUTIONS