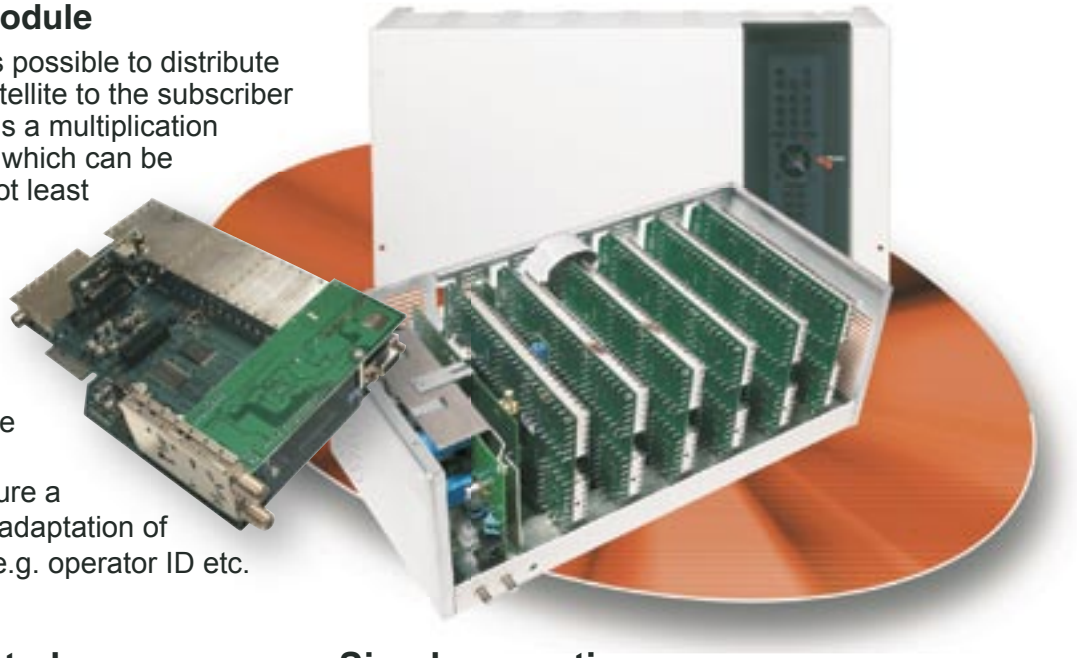
TRIAX Product Info

New

DVB-C module for TDH

Plug in QPSK to QAM module

With the new QAM module it is possible to distribute the entire package from the satellite to the subscriber on one TV channel. This means a multiplication of the number of TV programs which can be distributed in a network, and not least ”digitally all the way”.



New technologi = flexibility

The new QPSK to CAM module is based on the latest FPGA technology which helps to ensure a stable image quality and easy adaptation of special requirements such as e.g. operator ID etc.

Theoretically complicated – but simpler in practice

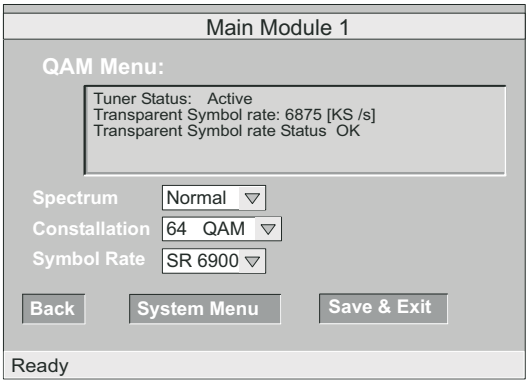
The new DVB-C module is also suitable for small networks where several TV-programs are requested, meaning greater freedom of choice, and where the frequency range in the distribution network is limited.

Features:

- Output frequency range: 306-858 MHz
- Programmable LNB control: 0/14/18V – 0/22 kHz
- Modulation: 16, 32, 64, 128, 256 QAM
- Output spectrum: Normal, Inverted, Random
- Symbol rate – adjustable (only on TDH 732)
- Watchdog
- Software download via TDH System Control

Simple operation

Set-up and programming is just as easy as on the other modules for TDH 700.
The On Screen Display (OSD) operation secures the operator a clear picture.



On Screen Display operation.

Simply more - more simply

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Technical data - QPSK-QAM modules

TDH 730

TDH 730C - SA

TDH 732

TDH 732C - SA

TYPE		TDH 730C DVB-C TDT	TDH 732C DVB-C
Varenr. 8 MHz band-width		490730	490732
7 MHz band-width			
stand-alone module	SA	301730	301732
Modulator type		QAM Transparant	QAM
Input frequency range	MHz	920 - 2150	920 - 2150
Input level	dBµV	45....84	45....84
Return loss	dB	>10	>10
Aerial input	SAT	F	F
Aerial loop-through	SAT	Yes/F	Yes/F
Demolator			
Type		QPSK	QPSK
Symbol rate	Mbps	2-40 (SCPC/MCPC)	2-40 (SCPC/MCPC)
Viterbi decoder		1/2, 2/3, 3/4, 5/6, 7/8	1/2, 2/3, 3/4, 5/6, 7/8
Reed Solomon decoder		204, 188, t=8	204, 188, t=8
Modulator			
Output mode		QAM 16, 32, 64, 128, 256	QAM 16, 32, 64, 128, 256
Output control		Normal, Inverted, Random	Normal, Inverted, Random
Output frequency range	MHz	306 - 858	306 - 858
Output level SA modules	dBµV	83 - 93	83 - 93
Output level adjustable	dBµV	97	97
LNB control 13/18 volt - 0/22 kHz	mA	200	200
Symbol rate	Mbaud	< 7.0	< 7.0
Roll-off factor	%	15	15
FEC block code		RS (204, 188)	RS (204, 188)
Scrambling		DVB ETS 300429	DVB ETS 300429
Interleaving		DVB ETS 300429	DVB ETS 300429
Carrier suppression	dB	>40	>40
C/N	dB	>38	>38
MER	dB	>35	>35
IQ imbalance	Dgr	<1	<1
Output impedance	Ohm	75	75
Return loss (MOD OUT)	dB	>10	>10
Temperature, operation	^{0}C	-10..+50	-10..+50
Weight - standard module - stand-alone module	kg kg	0.45 2.25	0.45 2.25
Dimensions (H x D x W) - standard module - stand-alone module	 mm mm	 150 x 230 x 50 198 x 220 x 76	 150 x 230 x 50 198 x 220 x 76
Remarks			* With stopunit incl. PCR-correction * No processing *PID-filter

Simply more - more simply

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