

QP2004



Version 1

DKT

DKT QP2004

QP2004, is a new high performance IRD, which focus especially on the European market. The absolute best component has been selected, in order to optimize picture quality, and advanced software guarantees easy installation of the product in the network.



The software in the receiver is with embedded support of Conax and Viaccess by default, which only requires a program card. The Common Interface opens for other coding algorithms like Mediaguard, NDS Worldcom 1.9 h/v and many more.

Great affords has been made, in order to keep the menu system straight forward and user friendly. A newly implemented feature; The Scheduler (Pre-programmed channel change), allows you to setup one or more channel changes, and thereby initiate switching between channels at pre scheduled time, which helps preventing black screen when ordinary channels stop transmitting.

Professional QPSK/PAL digital satellite receiver for SMATV and CATV installations.

Features

- 19" stainless steel cabinet, with ventilation (no fan)
- Low operation temperature due to low power consumption
- Professional A/V connection with 15 pin. Sub-D
- Easy installation and simple programming
- 1U device with only 27 cm. depth
- Automatic Watch Dog ensures stable and reliable service
- Embedded Conax and Viaccess
- CA module for most other options of encryption systems
- Support of Remote Management System (ProController 4000) for remote adjustments
- Program selection in order to avoid "black screen"
- Tested and certified with NDS with Worldcom 1.9 h/v
- Accessories
 - Adaptor cable available for all modulator types
 - ProController 4000 software for remote management
 - Remote control type RC39720
- Signal quality according to H1
- Detailed user manual



Display

Setup

Program Cards
Conax and Viaccess

Common Interface



LNB

Loop Through

Data Link

Audio/Video - Out

Serialnumber

Power switch

Fuse

Power supply

DKT QP2004

RF Front

Data	Specifications
Modulation	QPSK
Frequency range (centre freq. uninterrupted range)	950 - 2150 MHz
Symbol rate	2 - 45 Msymb/s
Input impedance	75 Ω
RF Connector	F-Type
RF Loop-through connector	F-Type
Viterbi code rates	1/2, 2/3, 3/4, 5/6, 7/8
Input level	-65 to -25 dBm
LNB Power	0V / 13V / 18V / Auto
LNB Tone	22kHz / Off (via DiSEqC)
DiSEqC Control	Ver 1.2 compliant

MPEG demux and decompression

Data	Specifications
Video profiles	4:2:0, MPEG-2 Main Profile @ Main Level
Video bitrate	15 Mbps max
Audio decompression	MPEG-1 layer I & II

Video output

Data	Specifications
Format	Composite Video (CVBS)
Impedance	75 Ω
Video level	1 V _{pp} (\pm 1dB)
Connector types	15-Pol Sub-D, Female PIN5 = Video Out, PIN8 = Video Ground
Resolution	720x576 and lower
Aspect ratios	4:3, 16:9 (fixed or automatic (Letterbox))

Audio output

Data	Specifications
Output impedance	600 Ω
Output level (mV @ 1kHz)	500
Flatness of amplitude response (dB)	
40 Hz to 80 Hz	Max +/- 2
80 Hz to 13,5 kHz	Max +/- 1
13,5 kHz to 20 kHz	Max +/- 2
Dynamic Range (dB)	Min 80
Harmonic distortion ratio (%)	Max 0,1
Cross-talk between channels (dB at 20Hz to 20 kHz)	Max -60
Hum suppression (dB)	Min 60
S/N (dB, weighted, quasi-peak, ITU/R rec 468)	Min 66
Amplitude difference between channels (dB, 20 Hz to 20 kHz)	Max +/- 1
Connector types	15-Pol Sub-D, Female PIN11 = Audio Ground PIN12 = Audio-L Out PIN13 = Audio-R Out

Power

Data	Specifications
Voltage range	100-240V AC
Power consumption	25W max
Connector type	IEC 320 - C14
Integrated fuse	1,25A / 230V
Integrated power switch	Yes

Dimensions

Item	Specifications
Packing measures	LxWxH 51x28x5mm
Weight	2,25 kg
Type	Order no.
QP2004	72707



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