

DSR 436 T

Powerful Digital Satellite Set-Top Box

Digital Satellite STB Series

▶ Satellite Demodulator (EN 300 421)

Waveform	QPSK
Symbol rate	17 to 30 Mbauds (variable)
Bandwidth	27/36 MHz
Freq. range	950 - 2150 MHz

LNB control:

Polarisation selection via LNB power line voltage	
Power	13/18 V - Short-circuit protected
DiSeqC	1.0

▶ MPEG Video Decoder

Standard	ISO13818-2 (MPEG-2)
Decompression	MPEG-2 Main Profile @ Main Level
Transfer rate	Up to 15 Mbps
Aspect ratio	4:3, 16:9, Pan & Scan, letter box
Video Scaling	1/4, 1/16

▶ MPEG Audio Decoder

Standard	ISO 11172-3 / ISO 13818-3
Decompression	MPEG Layers 1 & 2
Transfer rate	Up to 384 kbps
Sampling freq.	32, 44.1 and 48 kHz
Modes	Mono, Dual Channel, Joint Stereo, Stereo

▶ OSD / Graphics

Colours	From 16 colours to 65536
Transparency	16 levels
Graphics	4 layers
Overlay	MPEG still image insertion

▶ System Resources

Processor	LSI Logic SC2000 (MIPS family)
Frequency	108 MHz
System RAM	From 2 Mbytes up to 32 Mbytes
Video OSD/RAM	From 4 Mbytes up to 24 Mbytes
FLASH	From 2 Mbytes up to 8 Mbytes

▶ Teletext Processing

Transmitted teletext re-inserted in the composite video signal compliant with EN 300 472.

▶ Software

Operating system	MediaHighway™ DLI 3.xx & 4.xx Support for DVB-MHP
Access control	MediaGuard™

▶ Telephone Modem

See Options

▶ Interfaces

RF input	F-type, female
RF output	F-type, female (loopthrough)
SCART sockets	TV and VCR (with RGB loopthrough)
Audio	Twin RCA (left & right)
Telephone modem	RJ 11
Serial port	RS 232 (up to 115.2 kbps)
Smart card reader	2 x ISO 7816 1, 2 & 3
Display	4 digits x 7 segments
Front panel	6 buttons

▶ Remote Control

Infrared remote control

▶ General Data

Safety and EMC regulations compliant (CE marking)	
MTBF	> 80000 hours
Operating temperature	+10°C to +45°C
Storage temperature	-20°C to +70°C
Mains voltage	195 - 264 Volts (48/62 Hz)
Power consumption	Max. 30 W
Dimensions	360 x 230 x 65 mm

▶ Options

DVB-Common Interface
 Embedded Conax™ access control
 V23, V22/V22 bis, V32 bis or V90 telephone modem
 Multi TV (universal) remote control unit
 IEEE 1284 Sub-D25

Thomson multimedia

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DSR 475 T

High Performance Digital Satellite Set-Top Box

Digital Satellite STB Series

► **Satellite Demodulator (EN 300 421)**

Digital Reception:

Waveform	QPSK
Symbol rate	17 to 30 Mbauds (variable)
Bandwidth	27/36 MHz
Freq. range	950 - 2150 MHz

LNB control:

Polarisation selection via LNB power line voltage	
Power	13 / 18 V - Short-circuit protected
DiSEqC	1.0

► **MPEG Video Decoder**

Standard	ISO13818-2 (MPEG-2)
Decompression	MPEG-2 Main Profile @ Main Level
Transfer rate	Up to 15 Mbps
Aspect ratio	4:3, 16:9, Pan & Scan, letter box

► **MPEG Audio Decoder**

Standard	ISO 11172-3 / ISO 13818-3
Decompression	MPEG Layers 1 & 2
Transfer rate	Up to 384 kbps
Sampling freq.	32, 44.1 and 48 kHz
Modes	Mono, Dual Channel, Joint Stereo, Stereo

► **OSD / Graphics**

Colours	16 colours
Transparency	16 levels
Graphics	4 layers
Overlay	MPEG stills image insertion

► **System Resources**

Processor	LSI Logic SC2005 (MIPS family)
Frequency	108 MHz
System RAM	From 2 Mbytes up to 32 Mbytes
Video / OSD RAM	From 2 Mbytes up to 24 Mbytes
FLASH	From 4 Mbytes up to 8 Mbytes

► **Teletext Processing**

Transmitted teletext re-inserted in the composite video signal compliant with EN 300 472

► **Software**

Operating system	MediaHighway™ DLI 3.xx & 4.xx Support for DVB-MHP
Access control	MediaGuard™ DVB - Common Interface

► **Telephone Modem**

See options

► **Interfaces**

RF input	F-type, female
SCART sockets	TV and VCR
Digital audio output	S/PDIF
Audio	Twin RCA (left & right)
Telephone modem	RJ 11
Serial port	RS 232 (up to 115.2 kbps)
Smart card reader	2 x ISO 7816 1, 2 & 3
Display	4 digits x 7 segments
Front panel	4 buttons

► **Remote Control**

Infrared remote control

► **General Data**

Safety and EMC regulations compliant (CE marking)	
MTBF	> 80000 hours
Operating temperature	+10°C to +45°C
Storage temperature	-20°C to +70°C
Mains voltage	195 - 264 Volts (48/62 Hz)
Power consumption	Max. 15 W
Stand-by consumption	2W
Dimensions	360 x 230 x 65 mm

► **Options**

Embedded Conax™ access control
V23, V22 / V22bis, V23bis
Multi TV (universal) remote control unit

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