

TDS470N Digital Satellite PVR

TECHNICAL SPECIFICATION



3rd Generation

The TDS470N is a third generation personal video recorder (PVR) currently deployed by BSkyB in the UK.

Performance

- Main processor speed runs at 166MHZ.
- Internal hard disk drive (possible option to upgrade HDD size).
- High speed data port for future connectivity upgrades.

PVR Features

Twin Tuners – The TDS470N's twin digital tuners allow the user to:

- Watch one digital channel whilst recording another.
- Pause live TV – Pause a live programme.
- Archive favourite programmes on to VCR.
- Dual Record - Record two programmes simultaneously while watching a programme from disk.

The TDS470N's Time Shift and Video Recorder functionality allows the user to:

- Store 40-80 hours of programmes (depending on bit rate and set up).
- Use VCR style facilities (FFWD/RWD/Stop/Pause).

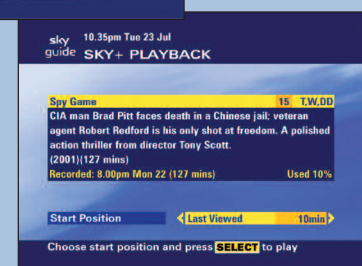
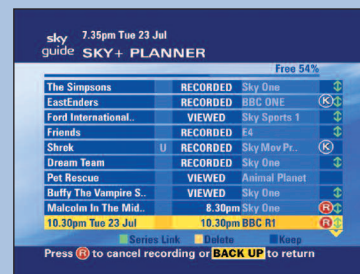
Security

Supports the NDS Conditional Access system together with XTV for total security of hard disk drive recorded material.

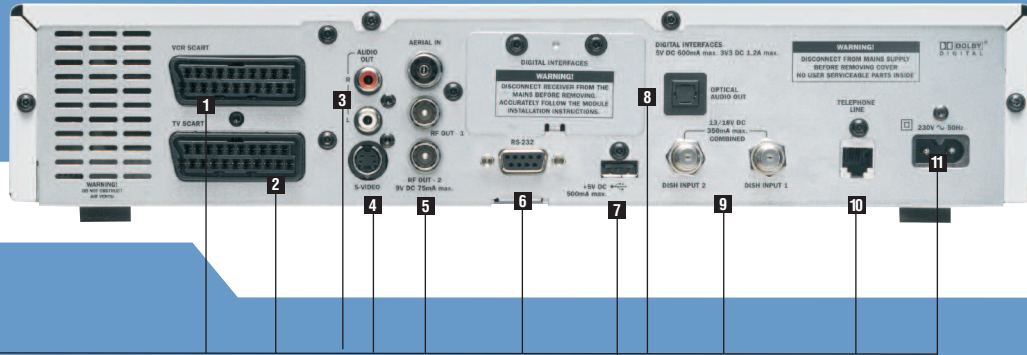
Software

Enhanced by a number of superb features:

- Series Links enable recordings to be automatically scheduled from the BSkyB EPG
- DiSEqC 1.2 for full control of LNB
- Software upgrade over air
- Live Pause/Time Shift/Catch Up feature
- Circular green playback front panel display
- Instant replay feature
- Instant record feature
- Favourite Channels feature
- Play and record radio
- Teletext
- DVB Subtitles
- Manual or automatic disk space management



>> TDS470N
Digital Satellite
PVR



- 1 VCR A/V SCART** – VCR Scart for connection to Video Recorder.
- 2 TV A/V SCART** – Provides either composite or RGB and composite video output. Audio volume can also be controlled in software.
- 3 Analogue Audio Outputs** – An important addition for users wishing to integrate the set-top box into their home audio system. Volume can be adjusted or muted under software control.
- 4 S-Video Connector** – For high quality video connection.
- 5 UHF Modulator** – For connection to main TV and optional connection to second TV.
- 6 RS232** – Serial port connector for service and factory use only.
- 7 USB 2.0** – For connection to an array of multi-media devices.
- 8 SPDIF** – For connection to home Dolby Digital amplifier.
- 9 RF Input** – Twin IF inputs to connect to dual LNB at dish.
- 10 RJ11** – For telephone line connection.
- 11 AC Input** – For mains power supply.

GENERAL SPECIFICATION

HARDWARE

Two 950MHz-2150MHz tuners with dual LNB control
 Internal hard disk drive (160Gbyte depending on set up)
 Main Processor running at 166MHz
 MPEG-2 video and audio decoder
 Dolby Digital 5.1 mixdown processing and digital audio output
 Bank Card Support
 Internal V90 modem for high-speed data connection and return path
 2nd RF connector enabling full IR control from second TV location with remote 'eye' TV Link accessory
 High Speed Data Port – for future applications
 Enhanced front panel and remote control including keys dedicated to time-shift video playback-Pause/Play/Stop/Record/FFWD/RWD
 USB 2.0 support

MEMORY CONFIGURATION

Two banks of 4Mbyte Flash for secure background download
 40Mbytes SDRAM memory (expandable to 128Mbyte)
 8Mbyte disk cache – part of unified structure
 32Kbytes E2PROM

CONDITIONAL ACCESS

Integral Conditional Access Circuitry with Smart Card Reader and NDS decryption support

POWER

Power Consumption 28W typically
 Mains supply voltage 120-240V, 50-60Hz

MECHANICAL

Dimensions: 380mm x 72mm x 243mm
 Weight: < 3kg

For more information on the TDS470N or any other Pace products you can visit our website www.pacemicro.com/products



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