

BLACK GOLD PRODUCT BRIEF PCIe Dual DVB-T/Analogue

'Another industry-leading digital/analogue PCTV product providing DVB-T & Analogue terrestrial broadcast reception on a low real-estate platform'

Black Gold Hardware

Platform

- Low profile small footprint PCB design 68mm x 115mm
- Half and full height brackets available
- Philips SAA7162 based design
- Dual S-video interface/Composite video option
- Low noise 4 layer PCB
- All supply rails fully regulated
- PCIe audio support
- Supports RC remote control or Soft IR decode for low cost remote control implementation with GDI remote controller (optional)
- Remote In interface via 2mm jack socket or 3 pin header
- Remote Out blaster via 3 pin internal header (option)
- PCI express x1 compliant
- PC99 compliant
- ACPI support
- Operating temperature -10 to 60 °C

RF Front End

- 2x Philips TDA8275A Silicon Tuners each with:
 - **DVB-T**
 - Worldwide support 6MHz and 7/8MHz saw filters
 - 2k and 8k COFDM supported
 - Signal modulation for QPSK, 16QAM, 64QAM
 - Frequency coverage 49MHz to 861MHz VHF and UHF support
 - Fully compliant with ETS300 744 and NorDig2
 - Support for hierarchical modes
 - **Analogue**
 - Worldwide TV support: NTSC M/N/NJ, PAL BG/DK/I/M/N, SECAM DK/I/LL
 - Worldwide Stereo: Nicam/A2, BTSC/EIAJ & MTS Bilingual
- Fulfils Cenelec requirements EN55013 and EN55020
- Single IEC or F connector



Application Software

Microsoft Windows Media Center

- MCE approved tier 1 developer
- WHQL BDA drivers
- Dual DVB-T tuner support
- Software MPEG2 encode option
 - Dual analogue tuner support
 - Dual external video interface support

Black Gold Application

- Supports for Windows XP Home/Pro and MCE
- Separate Radio and TV Application support
- Intuitive interface
- Resizable viewing window to full screen
- Automatic channel tuning
- Simultaneous multiple channel recording
- Instant/schedule recording
- Preference configuration window
- Full PVR functionality, time-shifting and pause
- Status and Channel window
- Now and next program information
- **Electronic Programme Guide**, including a comprehensive recording scheduler.
- Real-time viewing and recording of external video via S-video
- Multiple **Picture-In-Picture** viewing of up to 32 channels
- Multiple channel program pause of up to 32 channels
- A 'Mini mode' optimised for watching TV while you work
- Schedule recordings view windows
- Full screen on any desktop resolution or monitor size
- One touch record scheduling
- Deinterlacing, Inverse Telecine detection (PAL 2:2 and NTSC 3:2) and Adaptive noise filtering guarantee best picture quality.
- Automatic program naming and indexing of recordings
- Multiplexor channels realtime viewing window
- Variable record stream rate
- Still image capture to BMP or JPEG
- Fully integrated Teletext, just like a real TV
 - Immediate page access
 - Auto phone number, URL and Email recognition
 - Comprehensive keyword search
 - Single/ multiple page printing
 - Support for all European Character sets

Microsoft Windows Media

- Seamless integration with Microsoft Media Player
- One touch playback of recorded TV and Radio
- Seamless transfer of recordings to portable players
- Edit recorded video using Microsoft Movie Maker
- Catalogue recordings with Media Library

Remote Controller

- Attractive, fully-featured remote handset
- Full remote control of all Black Gold applications
- Full remote control of any Windows™ application
- Fully configurable using powerful scripting tools
- Powerful Windows Media Player Integration allows you to browse and playback audio and video from your entire digital media collection
- Comprehensive on screen feedback for true remote operation

Speech integration for reading back documents and Emails remotely.