



DC550D Tango

ALL DIGITAL, MPEG-4 / MPEG-2, HD SET-TOP BOX
WITH EMBEDDED CONDITIONAL ACCESS

Technical specification



NEXT GENERATION HIGH DEFINITION TECHNOLOGY

Pace's DC550D Tango HD set-top box introduces the latest advanced video technology in a feature rich and cost effective MPEG-4 / MPEG-2 HD box.

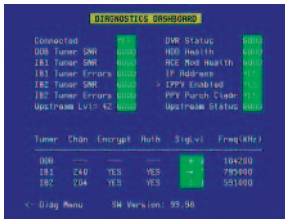
The DC550D's embedded conditional access module enables operators to deploy a cost effective, secure video decryption solution. The cost and complexity of upgrading your network to use CableCARD™ is eliminated by using Pace's embedded security set-top boxes.

The Tango set-top box provides cable operators a robust, secure platform for authorization entitlements, code download, billing system messages and signaling through an out of band messaging system.

The Tango platform runs native electronic program guide applications commonly found at today's cable systems including VOD, or next generation Tru2way™ applications.

KEY FEATURES:

- Embedded Digicipher® II Conditional Access support
- In-band and out of band (OOB) tuners with RF return
- Comprehensive and advanced device connectivity including HDMI™
- 4 LED indicators: Power, IR Receive, HD, Data
- Enhanced on-screen diagnostics including Pace Diagnostic Dashboard
- 1000 Dhrystone MIPS Processor
- 32 MByte FLASH memory
- 5.1 Dolby Digital optical output
- Ethernet port
- SNMP support for remote diagnostics
- DOCSIS 2.0 cable modem enabling DSG signaling support and Interactive Applications



Pace Diagnostic Dashboard provides enhanced diagnostic information to expedite in home installation and improve technical operations.

For more information on the DC550D Tango or any other Pace product please visit our website

www.pace.com/americas/products

RF INTERFACES:

- 1 x In-band, 54MHz-1GHz DOCSIS Tuner (with QAM 64/256 decoding)
- 1 x OOB, 70-130MHz Agile Tuner with QPSK decoding (Including support for 104.2 MHz)
- 1 x RF Return, 5-42MHz, QAM/QPSK Modulator (compliant with Starvue II/DVS178/SCTE 55-1)

AUDIO VIDEO INPUT / OUTPUT

- MPEG-2 MP@ML and MP@HL ATSC A/54 Decode up to 1080p30
- MPEG-4 MP@ML and MP@HL ATSC A/54 Decode up to 1080p30
- HDMI Audio / Video Out with HDCP copy protection
- Component (Y Pb Pr), Composite Video RCA outputs
- Native, 480i, 480p, 720p, 1080i and 1080p24/30 modes
- Simultaneous HD output via HDMI and Y Pb Pr outputs with HD video downscaled to SD on CVBS output
- Independent scaling of video/graphics on HD and SD outputs
- Support for Zoom, Stretch, Crop
- Constrained image support if CCI flag set on Component video
- Macrovision copy protection capability v7.1 including support for component video output
- 5.1 Dolby Digital optical output
- AC-3 Matrix surround down mix to Stereo L/R RCA outputs

SYSTEM PROCESSOR / MEMORY

- 1000 Dhrystone MIPS Processor for system and application use
- 32 MByte FLASH memory
- 256 MByte SDRAM (Unified MPEG Decode/Graphics/system run from RAM) as standard
- 256 Kbyte Non-volatile managed Flash storage area with random byte wise access

GRAPHICS:

- 16 / 32 Bit Per Pixel, 960x540 and 854x480 resolution
- Scaled graphics presented on HDMI, Y Pb Pr, CVBS outputs simultaneously

FRONT PANEL:

- 4 LED indicators: Power, IR Receive, HD, Data

DIGITAL INTERFACES:

- 1X Ethernet Port

CONDITIONAL ACCESS:

- Embedded Digicipher® II

SOFTWARE:

- Pace EngineWare™ software V3.0 and STT driver code

SET-UP AND DIAGNOSTICS:

- Diagnostic screens for onsite installation and debug
- SNMP support for remote diagnostics
- Configuration menu system for HD Display, Closed Captions and Second Language Subtitles

ACCESSORIES:

- Consumer Quick Start Guide
- External Power Supply (Universal for USA, Canada and Latin America)
- External IR Receiver and Mounting Bracket (Optional)

[This specification is subject to improvement and change without notice]

Pace America's, Inc. 3701 FAU Blvd, Suite 200, Boca Raton, FL 33431, USA
Tel: 561 995 6000 Fax: 561 995 6001

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www.pace.com

