Pace's RNG110 “Seattle” High-Definition set-top box (STB) introduces the latest advanced video technology in a feature-rich and cost-effective MPEG-4 / MPEG-2 HD video solution.

The product provides cable operators a robust, secure platform for authorization entitlements, code download, and billing system messages and signaling through an out-of-band (OOB) messaging system.

RNG110’s CableCARD™ conditional access module enables North American operators to deploy a cost-effective, secure video decryption solution quickly and easily.

The product’s platform runs native electronic program guide applications commonly found at today's cable systems, including VOD or next-generation applications.

The RNG110 has an industry-leading micro-footprint providing subscribers with a non-intrusive, sleek High-Definition solution.

**Summary**

- DOCSIS® 2.0 Cable modem
- RF output (Ch 3-4)
- CableCARD Conditional Access support
- In-band and 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 MB Flash memory
- 5.1 Dolby Digital™ optical output
- Ethernet port
- USB 2.0 port
- SNMP support for remote diagnostics
- 3 installation options:
  - A. Wall mount*
  - B. Vertical mount*
  - C. Traditional mount

*STB installation kit and other accessories available separately
Technical Specifications

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

DOCSIS Cable Modem
DOCSIS 2.0 Cable Modem with advanced DSG Support

Audio/Video 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 1080p30 scaling 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 and Crop
Constrained image support if CCI flag set on Component video outputs and HDMI if HDCP not in effect
Macrovision copy protection capability v7.1 inc. 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 MB Flash memory
256 MB SDRAM (Unified MPEG Decode/Graphics system run from RAM) as standard
256 KB Non-volatile managed storage area within Flash with random bit wise access

Graphics
16/32 Bit per Pixel, 960x540 and 854x480 resolution
Scaled graphics presented on HDMI, Y Pb Pr, CVBS outputs simultaneously
4 LED indicators: Power, IR Receive, HD, Data

Digital Interfaces
1 x Ethernet port
1 x USB 2.0 port
1 x IEEE 1394 port

Conditional Access
Multistream CableCARD (M-Card):
- Version for ‘Native’ application support
- Version for advanced application support

Pace Software
Pace EngineWare™ software v3.0 and STT driver code

Set-Up and Diagnostics
Diagnostic screens for on-site installation and debug
SNMP support for remote diagnostics
Display configuration menu

Accessories
Consumer Quick Start Guide
Universal External Power Supply (for USA and Canada)
Wall mount bracket and IR-Receiver available

For more information on Pace products, please visit our website - www.pace.com/americas