The Pace DZS3000NBS is a high definition set-top box solution for BeIN customers in the Middle East and North Africa. It utilises the latest technology developments to reduce size while increasing performance of the product.

This set-top box boasts a highly capable CPU and system memory to deliver improved performance over previous generation zapper platforms. This means the product is ideally suited to delivering a responsive user experience with rapid access to the database of service information delivered via the satellite feed.

Reduced geometry silicon technology and power down modes ensure power consumption is kept to a minimum. The DZS3000NBS complies with the latest EU regulations regarding power consumption.

The DZS3000NBS features an exclusive product design which delivers a perfect combination of style and manufacturing quality.

Summary
- High definition set-top box solution

Software
- **EPG/Application**
  Cisco/NDS Evolution 12
- **Middleware**
  Cisco/NDS Evolution 12
- **Boot Loader**
  - Secure bootloader implemented by Cisco/NDS
  - Supporting Broadcast downloads via DVB-S/S2
  - Support for DiSEqC 1.1
- **Drivers**
  Pace / Linux OS

CA and Copy Protection
- **Conditional Access**
  Cisco Videoguard
- **Smart Card**
  SIM sized form factor, ISO 7816 compliant
- **HDCP**
  HDCP 1.2
- **Analogue Copy Protection**
  CGMS-A
## Technical Specifications

### CPU
- **System On a Chip**: BCM7358
- **CPU**: MIPS 3300 core (750 DMIPS)
- **Instruction Cache**: 32 Kbytes
- **Data Cache**: 32 Kbytes
- **MMU**: Present - capable of supporting Linux/POSIX

### Memory
- **RAM**: 256MB DDR3, speed 1600 MHz, clock @ 800 MHz
- **Flash Memory**: 256MB Secure
- **NVRAM**: 32KB Emulated in flash

### Front End
- **Input**: 1 x IEC 60169-24 Female Input
- **Tuning Range**: DVB-S/S2: 950MHz to 2150MHz
- **Tuner / Demodulators**: 1 x DVB-S2 QPSK tuner compliant to ETS 300 421
- **Symbol Rate**: DVB-S 10 to 45 MSp/s, DVB-S2 18 to 30 MSp/s
- **Reported Signal Level**: -25dBm to -65dBm
- **LNB Polarisation**: 13/18V Control
- **LNB Supply**: 350mA continuous load with short circuit protection
- **LNB Tone Control**: 22KHz for high/low band selection
- **DiSEqC**: DiSEqC 1.1, SatCR

### Video Decoder
- **Decoder**: One HD video decoder
- **Aspect Ratio**: 4:3 and 16:9
- **MPEG-4 Profiles**: MPEG-4 Part 10 MP@HL3.2 1280x720p at 60, 50 or 30Hz
- **MPEG-4 Profiles**: MPEG-4 Part 10 MP@ML4.1 1920x1080i at 60 or 50Hz
- **Max Bit Rate**: 15Mb/s for Standard Definition, 30Mb/s for High Definition

### Audio Decoder
- **Decoder**: One audio decoder
- **MPEG-1 Audio**: Audio Layer I & II
- **MPEG-4 Audio**: MPEG-4 AAC HE L2, AAC HE L4, AACS.1
- **Dolby Digital**: Dolby Digital and Dolby Digital Plus available as pass-through to HDMI out

### Audio Video Output
- **Analogue AV Outputs**: CVBS and Right and Left channel audio on mini-DIN connector
- **Digital Video**: HDMI 1.4b
- **Digital Audio**: Via HDMI and TOSLINK

### Front Panel Specification
- **Remote Control**: 1 x IR receiver
- **IR Frequency & Protocol**: 36 kHz, Philips RC5
- **LEDs**: 1 LED (3 colour green/red), Power/standby
- **Buttons**: 1 Button - Standby

### Power Supply
- **External PSU**: 100-240V AC Input, 12V DC Output
- **18W plug top PSU with captive mains lead (2 variants - 2-pin EU and 3-pin UK)

### Accessories
- **User Manual**: 18-page start-up user guide
- **Mains Cable and PSU**: Plug top PSU
- **Remote Control**: RCU and batteries
- **Cables**: HDMI (1.5m), Audio/Video mini-DIN-to-male RCA (1.25m)