Cisco Z368DVB and Z378DVB Digital Broadcast Set-Tops

Offering an affordable solution for broadcast digital audio and video services, the Cisco® Z368DVB and Z378DVB Digital Broadcast Set-Tops (set-tops) may enable network operators to expand their channel lineup, recapture valuable spectrum, and offer Electronic Program Guide (EPG) and reservation pay-per-view (PPV) services without requiring an upgrade to their existing cable plant.

While both the Z368DVB and Z378DVB set-tops include a full-featured front panel, the Z378DVB model provides a connection to an external modem (cable or DSL) to allow interactive services such as Video-On-Demand (VOD).

Both set-top models are DVB-C and MPEG-2 compliant, support PAL video formats, and include a SIM card reader that is capable of supporting renewable security.

Figure 1. Cisco Z368DVB and Z378DVB Digital Broadcast Set-Top (image may vary from actual product and specification)

Features

Navigator, EPG, and Setup Menus

- Enable display of program information in a channel grid format
- Provide channel navigation and information about the current program and the upcoming program
- Include parental control and favorite channels selection
- Support ordering PPV events via PPV credits stored on the set-top
- Include installation and user setting menus
- Support Chinese and English languages
- 10/100BASE-T Ethernet output for connection to an external cable or DSL modem for interactive services on the set-top (available on Z378 models)

Figure 2. Cisco Z368DVB and Z378DVB Front Panel (image may vary from actual product and specification)

Table 1. Front Panel Features

Feature	Description
Controls	7 buttons: MENU, OK, ◄, ►, ▼, ▲, POWER
Indicators	Green LED indicates when the unit is powered on and operating with a locked channel • LED flashes green to indicate IR activity • LED is red when the set-top is in standby mode • LED alternates between green and red when there is no channel lock

Figure 3. Cisco Z368DVB Back Panel (image may vary from actual product and specification)

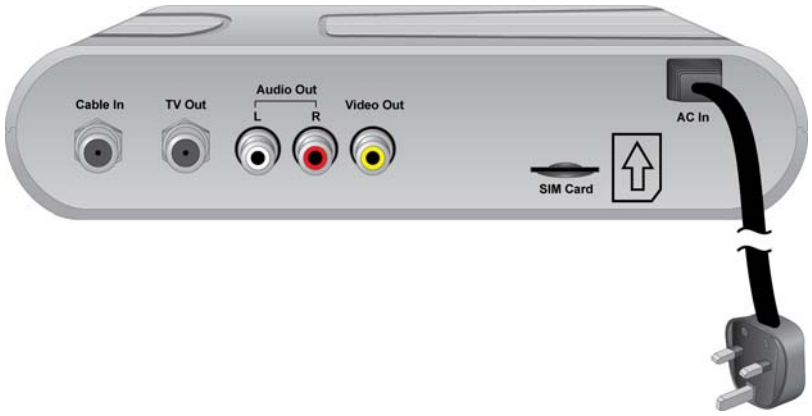

Figure 4. Cisco Z378DVB Back Panel (image may vary from actual product and specification)

Table 2. Back Panel Features

Feature	Description
Connections In	Cable In (75 Ohm F connector), SIM card reader
Connections Out	TV Out (75 Ohm F connector), L/R Audio Out, Video Out, 10/100 Ethernet (available on Z378DVB model only)
Powering	Attached 1.5 m 100 – 240 VAC BSI approved power cord

Product Specifications

Table 3. Product Specifications

Specification	Value
Audio/Video Outputs	
Inputs and Outputs	• 75 Ohm female-type threaded F connector input • 75 Ohm female-type threaded F connector RF output • Baseband video and audio left/right outputs • 10/100 Ethernet output (available on Z378DVB model only)
Tuning and Decoding	
Digital Service Tuners	• Enables tuning and display of MPEG-2 (ISO/IEC 13818-2) and MPEG-1 (ISO/IEC 11172-2) digital video signals • Enables tuning of digital audio MPEG-1 layers 1 and 2 (ISO/IEC 11172-3)
Powerful Graphics Engine	• Enables high-resolution graphics up to 720 x 576 (PAL)
Memory/Storage	
Configurable Memory Sizes	Z368DVB base model contains: • 4 MB flash memory • 32 MB DRAM • 4 KB EEPROM Z378DVB base model contains: • 4 MB flash memory • 32 MB DRAM • 4 KB EEPROM
Processor	
Powerful 32-bit RISC Processor	Fast CPU delivers quick tuning changes and on-screen response times
Security	
Internal Secure Microprocessor	Provides hardware-assisted conditional access functions within a tamper-resistant package
SIM Card Reader	Supports the ability to upgrade the native PowerKEY® security
Data Transmission and Tuner	
QAM 64 and 256 ITU J.83 Annex A Support	DVB-C (EN 300 429) compliant for QAM delivery and demodulation
RF Modulated Output with RF Loop-Through	• When the set-top is in standby mode, the RF loop-through function allows the analog channels to bypass directly to the TV • With the modulated output, selectable channel output (58-60, default channel 59) occurs via the RF output. When the set-top is in operating mode, analog channels are combined with digital output. When the unit is in standby mode, the RF loop-through function allows the analog channels to bypass directly to the TV
Conditional Access/Operation System	
PowerKEY Conditional Access System	• Secures digital services using an RSA encryption algorithm that mathematically matches pairs of keys • Compliant with DVB (ETR 289) Common Scrambling Algorithm
Power Supply	
Power Supply	• Internal 100 – 240 VAC 50/60 Hz power supply with attached plug • 6 kV surge protection
Dimensions	
Product Dimensions (HxWxD)	49 mm x 208 mm x 165 mm (1.93 in. x 8.2 in. x 6.5 in.)
Product Weight	0.3 kg (0.7 lbs)
Carton Dimensions (HxWxD)	89 mm x 279 mm x 229 mm (3.5 in x 11 in. x 9 in.)
Carton Weight	0.8 kg (1.8 lbs)
Packaging Dimensions (HxWxD) (6 units per carton)	254 mm x 559 mm x 305 mm (10 in. x 22 in. x 12 in.)
Packaging Weight (6 units per carton)	5.4 kg (11.9 lbs)

Environment Specifications	
Operating Temperature	0 to 50°C (32 to 122°F)
Storage Temperature	-20 to 60°C (-4 to 140°F)

Ordering Information

Table 4. Ordering Information

Cisco Set-Top	Part Number
Cisco Z368DVB Set-Top (modulated output)	4024931
Cisco Z368DVB-V Set-Top (viewing statistics set-top)	4024932

Service Provider Video Technology Group
1-800-722-2009 or 678-277-1120
www.scientificatlanta.com

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