

DVB HD HYBRID QAM/IP STB

evolution[™]
DIGITAL



Featuring Interactive
User-Interface

Evolution Digital's DVB HD Hybrid QAM/IP STB builds off Evolution Digital's standard digital converters for all-digital transition with a low-cost digital device plus IP connectivity for hybrid functionality. This cutting edge digital STB allows cable operators to reclaim bandwidth and future proof deployments.

Combining traditional linear TV with IP delivered content, including cable operator VOD services, internet radio and RSS feeds for news, sports and weather on one brilliant, user-friendly user interface through CubiTV. The HD Hybrid QAM/IP STB includes HDMI, Ethernet, USB, AV and Coax ports. Supports Cubiware hybrid DVB IP middleware and Conax with chipset pairing.

FEATURES & BENEFITS

- Compact High-Definition single tuner STB
- HD and SD MPEG-2/H.264
- Supports CONAX CAS7 Content Security with Chipset Pairing Technology
- Cubiware / CubiTV supported
- HDMI output with copy protection
- User-Friendly On-Screen Display, multi-language menu
- Schedule Program Information
- Offers ability to Future Proof Subscribers
- Favorites and Parental Lock Function
- Searching function in EPG
- Supports DCII, DVB subtitles and Closed Captioning
- 165 W x 135 D x 30 H mm



EVOLUTION DIGITAL

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Specifications

RF Input

Input Connector	F-Type Female
Input Frequency	56 – 862 MHz
Input Impedance	75 Ohm
Digital Input Signal Level	64-QAM -15 to +15 dBmV 256-QAM -12 to +15 dBmV
Modulation schemes supported	64-, and 256-QAM
ITU_T J.83 Support	Annex B only
Symbol	5.361 Msps for 256-QAM 5.057 Msps for 64-QAM
Max Transport Stream Throughput	80 Mbps

Video Decoding

Standards Supported	MPEG-2: MP@ML, MP@HL MPEG-4: L5 ASP H.264: MP@L4, HP@L4.1, (MP or HP)@(L3.2 or L3.1 or L3)
Formats Supported	HD and SD
HD Decoding	720p 60 fps 1080i 60 fps
Type	NTSC

Audio

Formats Supported	Dolby Digital (AC-3) MPEG (layer 1, 2, 3)
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Chip & Memory

Broadcom chipset	BCM7582 : up to 1125DMIPS
Flash Memory	128MB NAND / 2MB SPI
SDRAM	DDR3 256MB
EEPROM	256Kbits

Middleware

Cubiware	CubiTV Supported
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Display Resolutions

Analog outputs	480i
Digital output	720p 60 fps 1080i 30 fps
Simultaneous Analog & Digital Output	Supported

Graphics Resolution

Max Resolution	1920x1080
Simultaneous HD and SD User Interface	Supported

Analog A/V Output

RF Connector	F-Type Female
RF Modulated Channel Selector	Manual switch, Ch. 3 or 4
Baseband Connector	mini-jack RCA

Digital A/V Output

Connector	HDMI, version 1.3
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Data Input

Ethernet	Fast Ethernet (10/100)
IR Receiver	mini-jack IR
USB	1x USB 2.0

Copy Protection

Digital	HDCP version 1.2
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Conditional Access

CA Support	Conax Chipset Pairing
Card type	SIM; ISO 7816

Mechanical Specifications

Dimensions	6.5" W x 5.3" D x 1.2" H
Weight	0.8 lbs

Electrical Specifications

DC Supply Input AC Voltage	100-240 VAC, 50/60 Hz
DC Supply Output Voltage	12V

General Features

Subtitles	Mult-Language DigiCipher II and DVB subtitling; Closed Captioning
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All values are typical unless noted otherwise. Specifications are subject to change without notification.