

eBOX[®] IP HYBRID SET-TOP BOX



eBOX



Evolution Digital's eBOX[®] IP Hybrid set-top box is a game changer for the cable industry. Now one device delivers both QAM linear channels and IP video services and gives operators the flexibility to operate the device in multiple modes that best fit the MSO's business case, today and well in to the future.

The Evolution eBOX can operate as a standard parity HD non-DVR set-top box, as a client to TiVo[®] DVR devices, or as an IP-only set-top box. Featuring an advanced guide with universal search, consumers can now have one device, one remote control and one connection through HDMI 1 that delivers all their favorite cable channels along with the leading OTT services.

Evolution's eBOX includes HDMI, MoCA, Ethernet, AV and RF ports and supports TiVo's award-winning user interface.



FEATURES & BENEFITS

- Compact High-Definition multi-tuner set-top box with IP Connection
- HD and SD MPEG-2/H.264/HEVC
- Support for TiVo user interface
- Access to QAM linear, OTT, TVE and MSO managed content in IP
- Universal search across all video sources
- User-friendly on-screen display and deep libraries
- Enhanced program information
- Ability to future-proof low-cost CPE deployments
- Favorites and Parental Lock Functions
- Supports MoCA or Ethernet

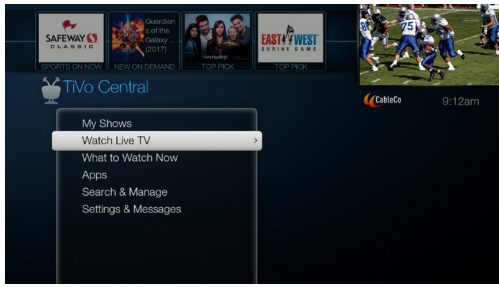
EVOLUTION DIGITAL

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Centennial, CO 80112

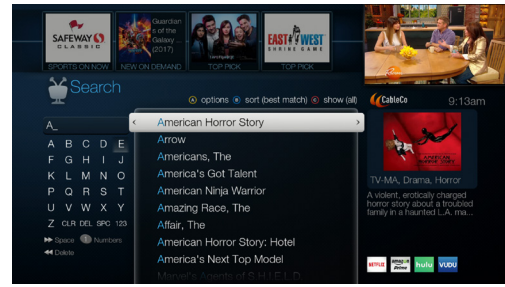
800.315.2253

evolutiondigital.com

TiVo Experience



TiVo Central



Search

Specifications

Product Code: IPH3004HDM

System & Memory

CPU	BCM7437CVKFEBA1G – Macrovision
ROM	4M Byte – Nor Flash / SPI 4G Byte - eMMC NAND Flash / EBI
RAM	1 GB - 2 x 16bit DDR3 1600MHz

Video Decoding

Standards Supported	HD and SD MPEG-2/H.264/HEVC
Formats Supported	HD and SD for all supported encoding standards
Output Resolutions	Up to 1080p60
Output Format Type	NTSC

Audio Decoding

Standard Supported	AAC LC, AAC HE Level 2, AAC HE Level4, Dolby Digital, Dolby Digital Plus, Dolby True HD, DTS MA MPEG-1 Layer 1 & 2, MP3, WMA, WMA Pro, DTS-HD Master Audio
Formats Supported	AC3 up to 5.1 Pro Logic

Remote Control

RF4CE	Supported, 38KHz of data trans receiving
Line of Sight Distance	up to 100 ft.
Non Line of Sight Distance	up to 50 ft.

General Features

Mute Function	Yes
On Screen Graphic	TiVo Encore or Hydra
Closed Captioning / VBI	EIA-708 and EIA 608, SCTE-20, SCTE-21, SCTE-127
Emergency Alert	SCTE 18, In-band EAS

Front of DTA

Display	2x LED for Power – Dual Colors/Green & Amber
IR	1x IR 38KHz of data trans receiving

Rear Connections

SCTE40/MOCA input	1x Connector – F connector – SCTE40
AV connector	1x 3 RCA jack- Composite, audio-L, Audio-R
S/PDIF	1x Connector- Optical jack
HDMI output	1x Type A – 19pin, V1.4b
ETHERNET	1x RJ45 – 10/100 Mbps
USB	1x Type A – USB 2.0 Host
Power jack	1x DC jack – For External Adaptor – specified as EPS-2

RF Input

Input Connector	F-Type Female
Input Frequency	54-1002 MHz
Input Impedance	75 Ohm
Digital Input Signal Level	64 QAM: -15 dBmV to +15 dBmV 256 QAM: -12 dBmV to +15 dBmV
Modulation Schemes Supported	QAM 256/128/64
Channel Plan	IRC/HRC/Standard
ITU_T J.83 Support	Annex A/B/C
Symbol Rate	64 QAM: 5.057MHz, 256 QAM: 5.361MHz
Max Transport Stream Throughput	40 Mbps
Tuners	Multiple Tuners to Support SDV and Fast Channel Change

MoCA

Modulation	OFDM
I/O Frequency	1150-1500 MHz
Version	2.0
Bandwidth/ Data Throughput	100MHz/400 Mbps on the coax, 500Mbps 2-node

Electrical Specifications

External Adaptor	Wall Mount
Input Voltage	90-135 Vac
Input Frequency	57~63Hz
Output Voltage	+5V (EPS 2)
Output Current	Max 3.0A
Cable Length	1.8m

Digital Output

Connector	HDMI, version 1.4a
CEC	Supported

Graphics Resolution

Max Resolution	1920x1080@ 60Hz
Picture in Guide	Supported by TiVo

Copy Protection

Digital	HDCP version 1.4
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Conditional Access

Content Protection	QAM: HD uDTA IP: TiVo Guard, OTT App-Dependent, PlayReady Analog Output: CGMSA, Macrovision
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Mechanical Specifications

Size (W x H x D)	200 x 120 x 40mm
Color	Main case – Gloss Black End Cap – Maroon
Weight	.75 Lbs. ~

All values are typical unless noted otherwise. Specifications are subject to change without notification.