

# MPEG-4/2 HD/SD UNIVERSAL DTA

Product Code: DMS2004UHDS



The HD-uDTA enables reclamation of the analog spectrum while simultaneously supporting SD and HD output allowing operators to future proof their subscribers without the need for upgrades on the second and third TVs when subscribers switch to HD televisions.

The HD-uDTA supports SD and HD MPEG-4 and MPEG-2 video services. Provides HDMI and RF outputs with output resolutions ranging from 480i, 480p, 720p, and 1080i. The HD-uDTA provides tuning up to 1 GHz with MoCA rejection and supports RF4CE universal RCU.

Evolution has developed this extremely low-cost HD uDTA understanding the importance of supporting the market demand for HD in a cost-effective manner without having to install higher cost advanced boxes. The HD-uDTA provides a seamless transition from the analog viewing experience to a high definition experience. The HD-uDTA incorporates fastRTV channel change technology.

Evolution's HD-uDTA is an extremely compact device that easily fit on top, beside or behind the TV. The compact device gives the impression almost of not having a set top box. The HD-uDTA supports RF4CE universal remote controls allowing subscribers to place the HD-uDTA out of sight.

## FEATURES & BENEFITS

- Universal DTA Compliant
- Simultaneous Analog and Digital Output
- Small and Compact Industrial Design
- AHD/SD MPEG-2, HD/SD MPEG-4
- RF Universal Remote Control Support
- Easily installed behind the TV
- Supports FastRTV™ Channel Change Technology
- Supports Closed-Captioning and Emergency Alert
- MoCA Rejection
- Dual Color LED
- 3.5" x 4.5" x 1"



## EVOLUTION DIGITAL

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# Specifications

Product Code: DMS2004UHDS

## RF INPUT

## DMS2004UHDS

Input Connector	F-Type Female
Input Frequency	54-1002 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
Channel Plan	IRC/HRC/Standard
ITU_T J.83 Support	Annex B only
Symbol rate	5.361 Msps for 256-QAM, 5.057 Msps for 64-QAM
Max Transport Stream Throughput	40 Mbps

## Video Decoding

Standards Supported	MPEG-2: MP@ML, MP@HL, H.264: MP@L3, HP@L4
Formats Supported	HD and SD for all supported encoding standards
Output Resolutions	480i 30 fps, 480p 60 fps, 720p 60 fps, 1080i 30 fps
Output Format Type	NTSC

## Audio Decoding

Standard Supported	Dolby Digital
Formats Supported	AC3 up to 5.1 Pro Logic
Analog Output	BTSC Compliant

## Analog Output

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

## Digital Output

Connector	HDMI, version 1.3a
CEC	Supported

## Graphics Resolution

Max Resolution	720x1280
Simultaneous HD and SD User Interface	Supported
Picture in Guide	Supported

## Copy Protection

Digital	HDCP version 1.2
Analog	CGMS-A

## Conditional Access

CA Support	Motorola / Cisco
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## Remote Control

RF4CE	Supported
Line of Sight Distance	up to 100 ft.
Non Line of Sight Distance	up to 50 ft.

## Mechanical Specifications

Dimensions	4.5" W x 3.5" D x 1" H
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## Electrical Specifications

DC Supply Input AC Voltage	100-240 VAC, 50/60 Hz
DC Supply Output Voltage	5V, 1.5A

## General Features

Mute Function	Yes
On Screen Graphic	Channel Name and Number
Closed Captioning / VBI	EIA-708 and EIA 608, SCTE-20, SCTE-21, SCTE-127
Emergency Alert	SCTE 18, In-band EAS

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