

MPEG 4/2 HD Digital to Analog-Digital (DTA-D) Converter with Embedded Security



Evolution's MPEG-4/2 high-definition digital to analog-digital (DTA-D) converter offers the ability to convert digital channels to analog. Evolution's DMS-1004HD-CA is designed as a cost-effective solution to help manage the costs of digital migration. Operators can install the ultra-low cost DTA-D in subscriber homes today and as subscribers update their secondary analog TV sets to small HD flat panel TVs, the DTA-D would work seamlessly without the need for an operator re-visit. Evolution's DTA-D is extremely compact and encompasses an IR Extender to allow the unit to be installed behind the TV Set.



DMS-1004HD-CA
MPEG-4 High-Definition Digital to Analog-Digital Converter with embedded Conax Conditional Access

Features & Benefits

- Small and Compact High-Definition Cable Receiver
- HD and SD MPEG-2/H.264
- Supports the Embedded CONAX CAS7 Conditional Access
- HDMI and Analog A/V outputs with copy protection
- User-Friendly On-Screen Display in your language
- Now/Next Program Information
- Easily installed behind the TV
- Offers ability to Future Proof Subscribers
- Parental Lock Function
- Channel sorting
- Supports Closed-Captioning
- Emergency Alert Support



evolution

Ideas to Solutions for a Digital World

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Specifications

RF Input

DMS-1004HD-CA

Input Connector	F-Type Female
Input Frequency	54-864 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 rate	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 1080p 24 fps
Type	NTSC

Audio

Formats Supported	Dolby Digital (AC-3) MPEG (layer 1, 2, 3)
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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	1920x1080p
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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Copy Protection

Digital	HDCP version 1.2
Analog	CGMS-A

Conditional Access

CA Support	Conax CAS7 core (DVB-CSA)
Card type	SIM; ISO 7816

Specifications

Mechanical Specifications

DMS-1004HD-CA

Dimensions	6.5" W x 5.3" D x 1.6" H
Weight	1.3 lbs

Electrical Specifications

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

General Features

Mute Function	Yes
Channel List	Yes
Closed Captioning	EIA-708 and EIA 608
Emergency Alert	In-band EAS
Parental Control	Yes
Favorites	Yes
On Screen Display	Yes

DMS-1004HD-CA

Rear Panel

