

# Digital to Analog Converter with Integrated Security

## DMS-1002 Series

Evolution's digital to analog converter set top box offers the ability to convert digital basic channels to analog. Evolution's DMS-1002 series DTA converters are MPEG-2 with optional conditional access. The DMS-1002 series is designed as a cost effective solution to help manage the costs of digital migration. Evolution's DTA is extremely compact and encompasses an IR Extender to allow the unit to be installed behind the TV Set.

### Features & Benefits

- MPEG-2
- Remote Control
- IR Extender
- Compact Design
- RF and AV outputs
- Removable Power Cord
- W 4.9" x H 1.1" x D 4.9"



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DIGITAL



**DMS-1002**

### **DMS-1002**

MPEG-2 Digital to Analog Converter

### **DMS-1002-CA**

MPEG-2 Digital to Analog Converter with embedded removable Conax Conditional Access Capability



**Front View**



**Rear View**

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Ideas to Solutions for a Digital World



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## Specifications

<i>Tuner &amp; Channel (Based on Annex B)</i>	<i>Unit</i>	<i>DMS-1002</i>
RF Input Connector	-	F-type female
RF Output Connector	-	F-type female
Input Signal Frequency	MHz	55 to 862
Input Signal Level	dBmV	-15 to +15
Input Impedance	ohms	75
IF Center Frequency	MHz	44
IF Bandwidth	MHz	6
QAM Constellation	QAM	16, 32, 64, 128, 256
Roll-off Factor	-	0.13, 0.15
Symbol Rate	Msp/s	7 (max)

### Digital Video

Algorithm	-	MPEG-2 compatible, Main Profile @ Main Level
Video Bit Rate	Mbps	1.5 - 15 Mbps
Type	-	NTSC
Frame Rate	-	30 Hz for NTSC
Active Pixel	-	720*480 for NTSC
Active Ratio	-	4:3 or 16:9

### Digital Audio

Algorithm	-	MPEG-1/2 Layers 1 and 2
Mode	-	Mono, Dual, Joint Stereo, AC-3 Dolby audio (stereo)
Frequency Response	-	20 - 20 kHz, <+/-3 dB, 60 Hz - 18 kHz, <+/-0.5 dB for digital
Sampling Frequency	-	32 kHz, 44.1 kHz, 48 kHz

### A/V Output

RF Modulated Out, Baseband Audio/Video	-	CH 3/4, RCA
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### CA (Conditional Access)

Conax CAS7 (Optional)	-	Embedded Removable SIM card (ISO 7816)
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### Function

Mute Function	-	Yes
Display Program	-	Yes
Closed Captioning	-	Yes
Emergency Alert	-	Yes
V-Chip	-	Yes
Select Screen Size	-	4:3 / 16:9
On Screen Graphic	-	Yes
Channel Memory	Ch	4000
EPG	-	No. Basic Channel Navigation Only

### General Specifications

Input Voltage	-	90 - 240 VAC, 60 Hz ± 5%
Power Consumption	watts	Less than 8
Operating Temperature	°C	0 - 40
Storage Temperature	°C	-10 - 50
Weight	-	0.7 kg including package
Dimensions	inches	W 4.9" x H 1.1" x D 4.9"