

DRAKE

DAV860

Digital to Analog Decoder

The Drake DAV860 Digital to Analog Decoder provides digital demodulation and decoding, for ATSC 8VSB broadcast or in-the-clear QAM television signals. The DAV860 delivers a standard NTSC composite analog video and stereo audio output. Used in conjunction with an analog NTSC modulator, this product allows a cable system operator to continue to provide analog versions of services that will only be available to him as digital in the future. It may also be utilized to provide the alternate digital channels now available from many broadcasters.

The decoder makes no change to the image format if the digital signal received is transmitted in 480i. If the signal is high definition, 720p or 1080i, options are given to either crop or "letterbox" the 16:9 proportioned image into a 4:3 format for output. The DAV860 is AFD Ready. This means that the DAV860 supports automatic aspect ratio control through the Active Format Description metadata that may be broadcast with the video. AFD control may be overridden if desired.

Features

- Receives ATSC 8VSB or clear QAM
- Decodes signal to NTSC Composite Analog Video
- Supports Closed Captioning
- Firmware updates available through front-panel
- Designed for use with Drake RMM12/PSM121 or RMM4 chassis

Look for these other fine DRAKE Mini Mod Products:



DTS860



RMM4 Chassis with Built-in Power Supply



RMM12 Chassis with PSM121 Power Supply (and various DRAKE Mini Mods)



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Specifications

SPECIFICATIONS	
INPUT	
Connector:	F-Type
Standards:	ATSC 8-VSB QAM (64 and 256)
<i>8-VSB Mode</i>	
Tuning Range:	UHF (NTSC 14-78), VHF (NTSC 2-13)
Symbol Rate:	10.762 Msymbols/sec
<i>QAM Mode</i>	
Tuning Range:	CATV (NTSC 2-135)
Symbol Rate:	5.3606 Msymbols/sec (256 QAM) 5.057 Msymbols/sec (64 QAM)
Single Channel Power Level:	-32 to +45 dBmV
8VSB Power Level:	-20 to +30 dBmV
QAM Power Level:	-20 to +20 dBmV
Return loss:	12 dB
Impedance:	75 Ω
OUTPUT	
Connector:	F-Type (video) RCA; Left & Right (audio)
<i>NTSC Composite Video</i>	
Level:	1 Volt peak-to-Peak
Flatness:	1.0 dB p/v (30 Hz to 4.2 MHz)
Video to Noise Ratio:	70 dB
Differential Gain:	$\pm 0.75\%$
Differential Phase:	± 0.50 degree
Format:	480i
Aspect Ratio:	AFD, Center Cut, Letterbox, Full, Zoom 1, Zoom 2
Closed Captioning:	EIA-608
<i>L/R Analog Audio</i>	
Level:	1.0 to 1.2 Volt Peak-to-Peak (at -20 dBFs input) 10.0 to 10.5 Volt Peak-to-Peak (at 0 dBFs input)
Frequency Response:	2.0 dB p/v (30 Hz to 20kHz)
Audio Signal-to-Noise Ratio:	67 dB (at -20 dBFs input)
Modes:	Stereo, Mono, SAP
GENERAL	
Dimensions:	1.15 x 7.5 x 3.5 inches
Power:	110 VAC/60 Hz or 220 VAC/50 Hz
Weight:	0/8 lbs (0.36kg)
Operating Temperature:	32 to 122° F