

Specifications — DAV101CM

Video

Gain.....	Unity
Bandwidth.....	400 MHz (-3 dB)

Video input

Number/signal type.....	1 VGA-QXGA RGBHV, RGBS, RGsB, RsGsBs, or HDTV component video
Connectors	1 female 15-pin HD
Nominal level	1 Vp-p for Y of component video 0.7 Vp-p for RGB and for R-Y and B-Y of component video
Minimum/maximum levels.....	Analog: 0.3 V to 1.5 Vp-p with no offset
Impedance.....	75 ohms
Horizontal frequency.....	15 kHz to 175 kHz
Vertical frequency.....	30 Hz to 150 Hz
Return loss.....	<-40 dB @ 5 MHz
ID bits.....	Pins 4, 11, 12, and 15: floating

Video output

Number/signal type.....	1 VGA-QXGA RGBHV, RGBS, RGsB, RsGsBs, or HDTV component video
Connectors	
DAV101CM-1, -2, -5	1 female 15-pin HD on a 6" (15 cm) pigtail
DAV101CM-3 -4, -6	1 set of 5 female BNC on 6.25" to 7" (15.9 to 17.8 cm) pigtails
Nominal level	1 Vp-p for Y of component video 0.7 Vp-p for RGB and for R-Y and B-Y of component video
Minimum/maximum levels.....	Analog: 0.3 V to 1.5 Vp-p (follows input)
Impedance.....	75 ohms
Return loss.....	<-40 dB @ 5 MHz
DC offset.....	±50 mV with input at 0 offset

Sync

Input type.....	RGBHV, RGBS, RGsB, RsGsBs, bi-level and tri-level sync
Output type.....	RGBHV, RGBS, RGsB, RsGsBs, bi-level and tri-level sync (follows input)
Input level	1.7 V to 5.0 Vp-p
Output level	TTL: 5.0 Vp-p, unterminated
Input impedance	510 ohms
Output impedance	<50 ohms
Max. propagation delay	<25 ns
Max. rise/fall time	<5 ns
Polarity.....	Positive or negative (follows input)

General

External power supply	100 VAC to 240 VAC, 50-60 Hz, 3 watts, external; to a 12 VDC, 1 A power supply (included)
Power input requirements.....	12 VDC, 0.3 A
Temperature/humidity	Storage: -40 to +158 °F (-40 to +70 °C) / 10% to 90%, noncondensing Operating: +32 to +113 °F (0 to +45 °C) / 10% to 90%, noncondensing
Cooling	Convection, no vents
Mounting	
Rack mount.....	Yes, with optional rack shelf and face plates
Furniture mount.....	Yes, with optional faceplates
Wall mount.....	Yes, with optional faceplates
Enclosure type	Metal

Specifications — DAV101CM, cont'd

Enclosure dimensions

Faceplate.....	1.4" H x 2.2" W x 0.1" D (3.6 cm H x 5.6 cm W x 0.2 cm D)
Device	1.4" H x 1.4" W x 1.2" D (3.6 cm H x 3.6 cm W x 3.0 cm D)
Product weight	0.2 lbs (0.1 kg)
Shipping weight	1 lb (1 kg)

Regulatory compliance

Safety.....	CE, ETL (UL1950)
EMI/EMC	CE, FCC Class A

Warranty

	3 years parts and labor
--	-------------------------

NOTE All nominal levels are at $\pm 10\%$.

NOTE Specifications are subject to change without notice.

7.6-082409-D12-111612