

# Specifications — DAV101CM, DAS101CM

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## Video — DAV101CM

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

## Video input — DAV101CM

Number/signal type.....	1 VGA–QXGA RGBHV, RGBS, RGsB, RsGsBs, or HDTV component video
Connectors .....	(1) 15-pin HD female
Nominal level .....	1 V <sub>p-p</sub> for Y of component video 0.7 V <sub>p-p</sub> for RGB and for R-Y and B-Y of component video
Minimum/maximum levels.....	Analog: 0.3 V to 1.5 V <sub>p-p</sub> 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

## Video output — DAV101CM

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

## Sync — DAV101CM

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 V <sub>p-p</sub>
Output level .....	TTL: 5.0 V <sub>p-p</sub> , 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)

## Audio — DAS101CM

Gain.....	Unbalanced output: 0 dB; Balanced output: +6 dB
Frequency response .....	20 Hz to 20 kHz, ±0.5 dB
THD + Noise .....	<0.025% @ 1 kHz, <0.020% @ 20 kHz at nominal level
S/N.....	>100 dB at maximum output (unweighted)
Stereo channel separation	
DAS101CM-1, -2.....	>56 dB @ 20 Hz to 10 kHz
DAS101CM-3, -4.....	>75 dB @ 20 Hz to 10 kHz

## Audio input — DAS101CM

Number/signal type.....	1 stereo, unbalanced, line level
Connectors	
DAS101CM-1, -2.....	(1) 3.5 mm mini audio jack (tip-ring-sleeve), female
DAS101CM-3, -4.....	1 pair of RCA (tip-ring) jacks, female

## Specifications — DAV101CM, DAS101CM, cont'd

Impedance.....	>10 kohms unbalanced, DC coupled
Nominal level .....	-10 dBV (316 mVrms)
Maximum level.....	+6 dBu, (balanced or unbalanced) at 1% THD+N

**NOTE**  $0\text{ dBu} = 0.775\text{ Vrms}$ ,  $0\text{ dBV} = 1\text{ Vrms}$ ,  $0\text{ dBV} \approx 2\text{ dBu}$

### Audio output — DAS101CM

Number/signal type.....	1 stereo, balanced/unbalanced
Connectors .....	(1) 3.5 mm direct insertion captive screw connector, 5 pole
Impedance.....	50 ohms unbalanced, 100 ohms balanced
Nominal level .....	-2 dBu (0.632 Vrms) for balanced output
Maximum level (Hi-Z) .....	>+15 dBu, balanced or unbalanced at 1% THD+N
Maximum level (600 ohm).....	>+13 dBm, balanced or unbalanced at 1% THD+N

### General

External power supply .....	100 VAC to 240 VAC, 50/60 Hz, 3 watts, external, to a 12 VDC, 1 A power supply (included with the DAV101CM, optional for the DAS101CM).
Power input requirements	
DAV101CM .....	12 VDC, 0.3 A
DAS101CM.....	12VDC, 0.1 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
Enclosure dimensions	
DAV101CM	
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)
DAS101CM	
Faceplate.....	0.7" H x 2.2" W x 0.1" D (1.8 cm H x 5.6 cm W x 0.2 cm D)
Device .....	0.7" H x 1.4" W x 1.3" D (1.8 cm H x 3.6 cm W x 3.3 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
MTBF.....	30,000 hours
Warranty .....	3 years parts and labor

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

**NOTE** Specifications are subject to change without notice.

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