

# Specifications — P/2 DA2 WM F Series

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## Video

Gain.....	Switchable: 0 dB, +1.2 dB, +2.2 dB (0.7 V, 0.8 V, or 0.9 V when input is 0.7 V and the gain/peaking switch is set to Unity, 50%, or 100%, respectively)
Bandwidth.....	300 MHz (-3 dB), fully loaded

## Video input

Number/signal type.....	1 VGA-QXGA RGBHV, RGBS, RGsB, RsGsBs, HDTV component video (with adapter)
Connectors .....	1 female 15-pin HD
Pin connections.....	ID bits on pins 4 and 11: selectably terminated to ground or passed through to local monitor output (loop-through) ID bits on pins 12 and 15: passed through to local monitor output (loop-through) Pin 9: the connection is passed through to local monitor output (loop-through)
Nominal level .....	1.0 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: 0.4 V to 1.4 Vp-p with no offset
Impedance.....	75 ohms
Horizontal frequency.....	15 kHz to 135 kHz
Vertical frequency.....	30 Hz to 170 Hz
Return loss.....	<-38 dB @ 5 MHz
DC offset (max. allowable).....	200 mV
ID bits.....	Pins 4 and 11: selectably terminated to ground or passed through to local monitor output (loop-through) Pins 9, 12, and 15: passed through to local monitor output (loop-through)

## Video output

Number/signal type.....	2 VGA-QXGA RGBHV, RGBS, RGsB, RsGsBs, HDTV component video (with adapter)
Connectors .....	2 female 15-pin HD (1 display, 1 local monitor)
Nominal level .....	1.0 Vp-p for Y of component video 0.7 Vp-p for RGB and for R-Y and B-Y of component video at unity gain
Minimum/maximum levels.....	0.4 V to 1.4 Vp-p
Impedance.....	75 ohms
Return loss.....	<-40 dB @ 5 MHz
DC offset.....	±5 mV maximum

## 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
Input level .....	3.0 V to 5.0 Vp-p
Output level .....	TTL: 5.0 Vp-p, unterminated
Input impedance .....	510 ohms
Output impedance .....	40 ohms, typical
Max. propagation delay .....	18.8 ns
Max. rise/fall time .....	4 ns
Polarity.....	Positive or negative (follows input)

# Specifications — P/2 DA2 WM F Series, cont'd

## Audio

Gain.....	Unbalanced output: 0 dB, balanced output: +6 dB
Frequency response.....	20 Hz to 20 kHz, ±0.05 dB
THD + Noise.....	0.03% @ 1 kHz at nominal level
S/N.....	>90 kHz, balanced, at maximum output

## Audio input

Number/signal type.....	1 stereo, unbalanced
Connectors.....	(1) 3.5 mm female stereo jack, 2 channel; tip (L), ring (R), sleeve (GND)
Impedance.....	>5k ohms unbalanced, DC coupled
Nominal level.....	-10 dBV (316 mV)
Maximum level.....	+8.5 dBu (unbalanced) at 1% THD+N

**NOTE** 0 dBu = 0.775 Vrms, 0 dBV = 1 Vrms, 0 dBV ≈ 2 dBu

## Audio output

Number/signal type.....	1 stereo, balanced/unbalanced
Connectors.....	(1) 3.5 mm captive screw connector, 5 pole
Impedance.....	50 ohms unbalanced, 100 ohms balanced
Maximum level (Hi-Z).....	>+15 dBu, balanced or unbalanced at 1%THD+N
Maximum level (600 ohm).....	>+9 dBu, balanced or unbalanced at 1%THD+N

## General

External power supply (included).....	100 to 240 VAC to 12 VDC, 1 A external power supply, regulated
Power input requirements.....	12 VDC, 0.2 A
Temperature/humidity.....	Storage: -40 to +158 °F (-40 to +70 °C) / 10% to 90%, noncondensing Operating: +32 to +122 °F (0 to +50 °C) / 10% to 90%, noncondensing
Cooling.....	Convection, no vents

### Mounting

Furniture or wall mount.....	Yes
Enclosure type.....	Metal

### Enclosure dimensions

#### P/2 DA2 WM F

Plate.....	4.5" H x 4.6" W x 0.1" D (11.4 cm H x 11.7 cm W x 0.3 cm D) (2 gang)
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#### P/2 DA2 WM F AAP

Plate.....	4.5" H x 8.3" W x 0.1" D (11.4 cm H x 21.1 cm W x 0.3 cm D) (4 gang)
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#### P/2 DA2 WM EC F

Plate.....	3.1" H x 4.0" W x 0.1" D (7.9 cm H x 10.2 cm W x 0.3 cm D) (Euro Channel)
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#### P/2 DA2 WM EC F AAP

Plate.....	3.1" H x 7.7" W x 0.1" D (7.9 cm H x 19.5 cm W x 0.3 cm D) (Euro Channel)
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### All models

Box.....	2.6" H x 3.7" W x 1.6" D (6.6 cm H x 9.4 cm W x 4.1 cm D)
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### Product weight

P/2 DA2 WM F.....	0.4 lbs (0.2 kg)
P/2 DA2 WM F AAP.....	0.6 lbs (0.3 kg)
P/2 DA2 WM EC F.....	0.3 lbs (0.1 kg)
P/2 DA2 WM EC F AAP..	0.7 lbs (0.3 kg)

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Shipping weight .....	2 lbs (1 kg)
Vibration .....	ISTA 1A in carton (International Safe Transit Association)
Regulatory compliance	
Safety .....	CE, c-UL, UL
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.*

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