

Specifications

P/2 DA2xi MT

Video

Gain.....	Output: 0 dB or 0.6 dB, selectable Local monitor output: unity
Peaking.....	Output: selectable, 0 dB or 0.6 dB at 100 MHz Local monitor output: fixed
Bandwidth	350 MHz (-3 dB)

Video input

Number/signal type.....	1 VGA-QXGA RGBHV, RGBS, RGsB, RsGsBs
Connectors.....	(1) 15-pin HD female
Nominal level.....	0.7 Vp-p for RGB
Minimum/maximum levels.....	Analog, 0.3 V to 1.5 Vp-p with no offset at unity gain
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).....	1.0 V
Input coupling	DC

Video output

Number/signal type.....	1 VGA-QXGA RGBHV, RGBS, RGsB, RsGsBs output 1 VGA-QXGA RGBHV, RGBS, RGsB, RsGsBs local monitor loop-through (I.D. bits are passed through.)
Connectors.....	(2) 15-pin HD female
Nominal level.....	0.7 Vp-p for RGB at unity gain
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	±5 mV with input at 0 offset

Sync

Input type	RGBHV, RGBS, RGsB, RsGsBs
Output type.....	RGBHV, RGBS, RGsB, RsGsBs
Input level	1.5 V to 5.0 Vp-p
Output level	TTL, 5 Vp-p, unterminated
Input impedance.....	510 ohms (fixed)
Output impedance.....	75 ohms or 50 ohms, selectable
Max. propagation delay.....	60 ns
Max. rise/fall time	4 ns
Polarity.....	Positive or negative (follows input)

Audio

Gain.....	Unbalanced output: 0 dB; balanced output: +6 dB
Frequency response	20 Hz to 20 kHz, +0.05 dB, -0.1 dB
THD + Noise.....	0.03% @ 1 kHz at nominal level
S/N.....	>90 dB (balanced) at maximum output
Crosstalk	<-80 dB @ 1 kHz, fully loaded

