

Specifications — IN3252HR

Video

Gain.....	-3 dB to +3 dB (0.7 to 1.4), adjustable
Peaking.....	0 to +6 dB @ 100 MHz
Bandwidth.....	400 MHz (-3 dB)

Video input and loop through

Number/signal type.....	1 RGBHV, RGBS, RGsB, RsGsBs, HDTV component video, S-video, composite video input 1 RGBHV, RGBS, RGsB, RsGsBs, HDTV component video, S-video, composite video passive loop-through
Connectors.....	2 x 5 female BNC
Nominal level.....	1.0 Vp-p for Y of component video and S-video, and for composite video 0.7 Vp-p for RGB and for R-Y and B-Y of component video 0.3 Vp-p for C of S-video
Minimum/maximum levels.....	Analog: 0.3 V to 1.5 Vp-p with no offset at unity gain
Impedance.....	75 ohms (default) or Hi-Z (selectable)
Return loss.....	<-40 dB @ 5 MHz
Input coupling.....	AC/DC, jumper selectable

Video output

Number/signal type.....	2 RGBHV, RGBS, RGsB, RGBcvS, HDTV component video, S-video, composite video (follows input type)
Connectors.....	2 x 5 female BNC
Nominal level.....	1.0 Vp-p for Y of component video and S-video, and for composite video 0.7 Vp-p for RGB and for R-Y and B-Y of component video 0.3 Vp-p for C of S-video
Minimum/maximum levels.....	0.3 Vp-p to 1.5 Vp-p (follows input)
Impedance.....	75 ohms
Return loss.....	<-40 dB @ 5 MHz
DC offset.....	±100 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
Input level.....	2.0 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.....	40 ns
Max. rise/fall time.....	9 ns
Polarity.....	Positive or negative (follows input)

General

External power supply.....	100 VAC to 240 VAC, 50-60 Hz, external; to 9 VDC, 1 A, regulated
Power input requirements.....	9 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 mount.....	Yes, with optional mounting brackets
Enclosure type.....	Metal
Enclosure dimensions.....	1.6" H x 5.25" W x 4.4" D (4.1 cm H x 13.3 cm W x 11.2 cm D) (Depth excludes connectors.)

Specifications — IN3252HR, cont'd

Product weight	1.0 lbs (0.5 kg)
Shipping weight	3 lbs (2 kg)
Vibration	ISTA 1A in carton (International Safe Transit Association)
Regulatory compliance	
Safety	CE, c-UL, UL
EMI/EMC	CE, C-tick, FCC Class A, ICES, VCCI
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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