

Extron IN 1508



Specifications — IN1508 Scaling Presentation Switcher

Video input

Number/signal type	2 composite video 2 S-video 1 component video (interlaced, progressive, or HDTV) 2 RGBHV, RGBS, RGsB 1 DVI-D digital video (single link)
Connectors	2 female BNC (composite video) 2 female 4-pin mini DIN (S-video) 3 female BNC (component video) 2 female 15-pin HD (RGB) 1 DVI female (DVI-I)
Nominal level	1 Vp-p for Y of component video and S-video, and for composite video 0.7 Vp-p for RGB 0.3 Vp-p for R-Y and B-Y of component video, and for C of S-video
Minimum/maximum levels	0 V to 1.0 Vp-p with no offset
Impedance	75 ohms
Horizontal frequency	24 kHz to 100 kHz
Vertical frequency	50 Hz to 120 Hz
Resolution range	640 x 480 to 1600 x 1200, 480p, 576p, 720p, 1080i, and 1080p
Return loss	<-30 dB @ 5 MHz
DC offset (max. allowable)	0.5 V

Video processing

Encoder	9 bit digital
Decoder	10 bit digital
Digital sampling	24 bit, 8 bits per color; 140 MHz standard
Colors	16.78 million

Video output

Number/signal type	Scaled RGBHV, RGBS, RGsB; Y, R-Y, B-Y
Connectors	1 female 15-pin HD
Nominal level	1 Vp-p for Y of component video 0.7 Vp-p for RGB 0.3 Vp-p for R-Y and B-Y of component video
Minimum/maximum levels	0 V to 2.0 Vp-p
Impedance	75 ohms
Vertical frequency	50 Hz, 60 Hz, or 75 Hz, depending on selected output resolution
Scaled resolution	640x480 ^{1,2,3} , 800x600 ^{1,2,3} , 1024x768 ^{1,2,3} , 1024x852 ^{1,2,3} , 1024x1024 ^{1,2,3} , 1280x768 ² , 1280x1024 ^{1,2,3} , 1366x768 ^{1,2,3} , 1365x1024 ^{1,2,3} , 1400x1050 ^{1,2} , 1600x1200 ^{1,2} , 480p ² , 576p ¹ , 720p ^{1,2} , 1080i ^{1,2} , 1080p ² ¹ = at 50 Hz ² = at 60 Hz ³ = at 75 Hz
Return loss	-21 dB @ 5 MHz
DC offset	±300 mV maximum with input at 0 offset

Sync

Input type	RGBHV, RGBS, RGsB
Output type	RGBHV, RGBS, RGsB; Y, R-Y, B-Y (tri-level)
Standards	NTSC 3.58, NTSC 4.43, PAL, SECAM
Input level	0 V to 5 Vp-p
Output level	TTL: 5.0 Vp-p, unterminated
Input impedance	75 ohms
Output impedance	75 ohms
Max input voltage	5V p-p
Polarity	Positive or negative (selectable)