

IN1502

Two Input Video Scaler



FEATURES

- Inputs: Composite video on BNC, S-video on 4-pin mini DIN
- Outputs: Scaled RGB output on 15-pin HD
- Scales composite video and S-video sources
- 16 selectable RGB output rates from 640x480 to 1366x768
- Autoswitching between inputs
- Frame rate conversion
- Quad standard video decoding
- DMI™ - Dynamic Motion Interpolation
- Picture controls for brightness, contrast, color, tint, detail, and horizontal and vertical positioning and sizing
- 3:2 NTSC and 2:2 PAL pulldown detection
- LCD menu display
- Front panel security lockout
- RS-232 serial and contact closure control port
- Optional IR 901 handheld IR remote control
- Rack-mountable 1U, half rack width metal enclosure
- Internal international power supply

DESCRIPTION

The Extron **IN1502** Two Input Video Scaler provides high performance scaling of composite video and S-video signals. A host of integrator friendly features, including input source autoswitching, comprehensive picture controls, and RS-232 control make the IN1502 ideal for integrated systems in corporate, education, and medical environments where simple conversion of standard definition NTSC or PAL video to high resolution RGB video is desired.

The IN1502 employs sophisticated video processing, including DMI™ - Dynamic Motion Interpolation, to create a single, optimally scaled output to match the native resolution of the display. A total of 16 selectable output rates are available from 640x480 to 1366x768 resolution.

Convenient control of the IN1502 is available via the front panel, RS-232 and contact closure, or the optional IR 901 handheld remote control. The IN1502 is housed in a rack-mountable 1U, half rack width enclosure and is equipped with an internal power supply.

Minimum / Maximum levels... Analog: 0.0 V to 1.0 Vp-p with no offset
Impedance..... 75 ohms

VIDEO PROCESSING

Decoder 9 bit digital
Digital sampling 24 bit, 8 bits per color; 13.5 MHz standard
Colors 16.78 million

VIDEO OUTPUT

Number / Signal type 1 scaled RGBHV, RGBS
Connectors 1 female 15-pin HD
Nominal level 0.7 Vp-p for RGB
Minimum / Maximum levels... 0.0 V to 0.7 Vp-p
Impedance..... 75 ohms
Scaled resolutions 640x480^{1,2}, 800x600^{1,2}, 848x480^{1,2}, 852x480^{1,2}, 1024x768^{1,2}, 1280x768^{1,2}, 1360x765^{1,2}, 1366x768^{1,2}
1 = at 50 Hz, 2 = at 60 Hz

SYNC

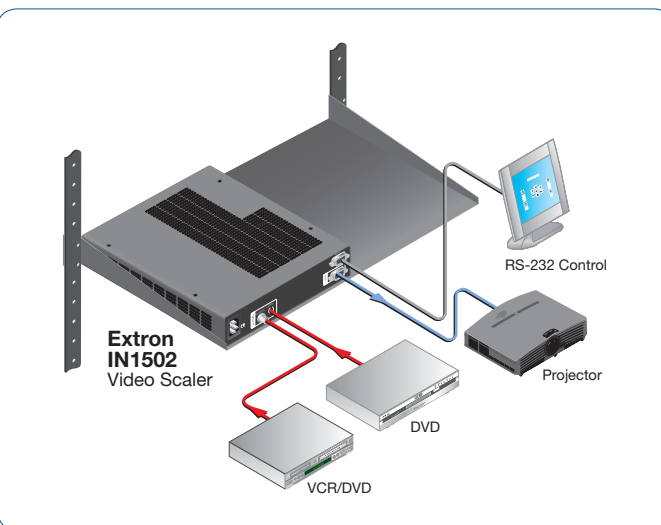
Output type RGBHV, RGBS
Standards NTSC 3.58, NTSC 4.43, PAL, SECAM
Input level 0 V to 1.0 Vp-p
Output level TTL: 5.0 Vp-p, unterminated
Input / Output impedance 75 ohms
Max. propagation delay 20 ns
Polarity Negative

CONTROL / REMOTE – DECODER / SCALER

Serial control port RS-232, 9-pin female D connector
Contact closure 9-pin female D connector (same as RS-232 connector)
IR controller module Extron IR 901 (optional)
Program control Extron's Simple Instruction Set (SIS™)

GENERAL

Power 100 VAC to 240 VAC, 50/60 Hz, 30 watts, internal, universal
Rack mount Yes, with optional rack shelf, part #60-190-01
Enclosure type Metal
Enclosure dimensions 1.75" H x 8.75" W x 9.5" D (1U high, half rack wide)
4.4 cm H x 22.2 cm W x 24.1 cm D
(Depth excludes connectors and knobs. Width excludes rack ears.)
Product / Shipping weight 3.3 lbs (1.5 kg) / 6 lbs (3 kg)



SPECIFICATIONS

VIDEO INPUT

Number / Signal type 1 S-video
1 composite video
Connectors (1) 4-pin mini DIN female (S-video)
1 BNC female (composite video)
Nominal level 1 Vp-p for Y of S-video and for composite video
0.3 Vp-p for C of S-video

MODEL

IN1502 Two Input Video Scaler **60-726-01**

OPTIONAL ACCESSORIES

MODEL DESCRIPTION	PAGE	PART #
IR 901 Handheld IR Remote Control for the DVS 406, QSD 204, and IN1502	page 640	70-152-01
RSU 129 1U 9.5" Deep Universal Rack Shelf Kit	page 819	60-190-01
MBU 129 1U, 1/2 Rack Width Under-Desk Mount Kit for Four-Piece Enclosure	page 816	70-219-01