

IN1402 Video Scaler



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FEATURES

- Superb Quality Video Scaling with Advanced Motion Compensation
- Quad Standard Video Decoder with Adaptive Comb Filter
- 3-Input A/V Switching Capability: (2) Composite Video Inputs, (1) S-Video Input
- Selectable Output Resolutions: 640 x 480, 852 x 480, 800 x 600, 1024 x 768, 1280 x 720 (HDTV 720p), 1280 x 1024, 1365 x 768, 1365 x 1024
- Comprehensive Image Controls: Position, Size, Aspect Ratio, Hue, Saturation, Brightness, Contrast, Gamma, Sharpness
- RS-232 Control of All Functions



The **IN1402** is a full featured video scaler that combines quad standard digital video decoding, advanced video scaling / line multiplication and a 3-input video switcher into one compact product.

Superb Video Scaling Technology - Employing sophisticated video de-interlacing, scaling, and filtering techniques, the **IN1402** offers an output signal with superb image detail and enhanced brightness that is entirely free of visible scan lines. The scaler automatically senses the type of input source material and selects the optimal motional compensation formula to eliminate motion artifacts in the output image. The **IN1402** employs high bandwidth digital signal processing and high speed digital to analog conversion, combined with effective filtering and sharpness circuitry to maintain and enhance image detail, even at the highest output resolutions.

Advanced Quad Standard Video Decoder - A high quality video decoder in the **IN1402** provides accurate video decoding for composite video and S-Video signals in the NTSC, PAL, SECAM and NTSC 4.43 video standards. The video decoder employs an advanced 3-line adaptive comb filter for composite video input signals that greatly reduces cross-color interference and hanging dots while maintaining maximum image bandwidth and detail.

Pick the Perfect Resolution - The **IN1402** offers several output resolutions to match the optimum or native resolution for most display devices. The **IN1402** provides a progressive scan output signal at standard VGA resolutions, ensuring exceptional image quality with a wide range of CRT, LCD, DMD, and plasma display devices. The output resolution can also be set for HDTV 480p or 720p.

3-Input Video / Audio Switcher - The **IN1402** provides multiple inputs and video switching capability to accommodate a variety of applications. The unit has inputs for two composite video signals and one S-Video signal.

On Screen Menus provide easy control over video adjustments including hue, color, contrast, brightness, gamma, sharpness, image size, and image position. Unique image settings can be optimized and stored for each input. Each time an input is selected all image settings stored for that input are automatically recalled. The on screen menus also make it easy to verify and adjust advanced settings such as output signal resolution / sync format, RS-232 control options and reset to factory defaults.

SPECIFICATIONS

INPUT:

Connectors: Composite Video: (1) RCA female & (1) BNC female
S-Video: (1) 4-Pin Mini DIN female for Y/C
Signal: Video/Luma: 0.7 Vp-p typical, 75 Ohm impedance
Chroma: 0.3 Vp-p typical, 75 Ohm impedance
Standards Supported: NTSC / PAL / SECAM / NTSC 4.43

OUTPUT:

Connectors: RGB: (1) 15-Pin HD female
RGB Video: 0.7 Vp-p typical, 75 Ohm impedance
Sync Format: Selectable: RGBHV (default), RGBS, RGsB
Resolution: Selectable: 640x480, 852x480, 800x600, 1024x768, 1280x720 (HDTV 720p), 1280x1024, 1365x768, 1365x1024
Vertical Refresh Rate: Same as Input Rate - 60 Hz with NTSC Input, 50 Hz with PAL / SECAM Input

GENERAL:

RS-232 Control: 1200 to 38400 baud, N, 8, 1; 3-pin Phoenix
Power Supply: Internal Switch Mode: 90 to 260 VAC; 47 to 63Hz
Power Consumption: 20 Watts
Shipping Weight: 5 lbs. / 2.3 kg Product Weight: 2.5 lbs. / 1.1 kg
Dimensions: 1.65" x 8.5" x 6" / 4.2cm x 21.6cm x 15.2cm
Included Accessories: IN9045-L12 Output Cable, 15-Pin HD Male to 5-BNC Male, 12' long
Regulatory Approvals: UL1950, CAN/CSA-22.2 No.950, Third Edition
CE: EN55022 (1987), EN50081-1 (1991), EN50082-1 (1992 and 1994), EN60950-92

Image Size, Position and Aspect Ratio Controls with individual horizontal and vertical image adjustments make it easy to precisely fit the active video image to the display area. Comprehensive **Aspect Ratio Controls** adjust the vertical and horizontal image size to accommodate various input signal and display device aspect ratios. The **Anamorphic** aspect ratio mode provides vertical image squeezing and lets users take full advantage of the superior image quality offered on anamorphically enhanced DVDs.

RS-232 Serial Control is provided for all scaler functions including input selection, image adjustments and output settings. The **IN1402's** comprehensive RS-232 control capability facilitates complete system integration and effortless control when combined with a third-party control system.

Rack Mountable - Two **IN1402** scalers can be mounted side-by-side in a 1U rack space using the optional **IN9080** rack shelf. A single unit can be rack mounted using the **IN9080** rack shelf and the **IN9088B** blank panel.

