

MULTI-INPUT VIDEO SCALER

FOR PRESENTATIONS & HOME THEATER - VIDEO WALLS - CUBES - FULL SCREEN PROJECTION

TRANS-SCALER XT™ Ref. TSC550

7 x INPUTS :

- **6 VIDEO (NTSC/PAL/SECAM) :**
2 COMPOSITE, 2 S.VIDEO, 1 COMPONENT, 1 RGB/S
- **1 COMPUTER**

1 x OUTPUT : MULTI-RESOLUTION SCALED
Up to 1024 x 768, D-ILA™, QUADRUPLER



REFERENCE:

- TSC 550 : TRANS-SCALER XT™

FEATURES:

- Auto-Adaptive Motion Compensation
- RS-232 Remote Control Software
- Time Base Corrector
- Sharpness and Gamma
- 3/2 Pull Down Correction
- 4/3, 16/9 & WS Anamorphic Aspect Ratio
- 4/3, 16/9 SCREEN format
- H&V Position / Size, Brightness, Contrast, Color, Hue (NTSC) adjustments

Trans-scaler XT

DESCRIPTION :

The TRANS-SCALER XT™ combines the functions of a Video Scaler with a Multi-input Video Switcher. In addition, a Computer or External input is provided for direct display of your Presentations or Internet applications.

- The TRANS-SCALER XT™ is a new SCALER / LINE DOUBLER / QUADRUPLER / MULTIPLIER which significantly increases the Video image resolution and brightness. The High Quality Digital decoder includes a new Advanced Comb Filter, a robust sync. detection and a 3D auto-adaptive de-interlacing scheme (for motion artifacts), with correction of the "film to video" transfer (3/2 pulldown for NTSC). It provides you with a "cinema like" image.
- In addition, and according to your requirements, you can adjust special image parameters like the Sharpness for detail emphasis, and the Gamma corrector, which optimizes your Display «Near Black» Luma

response. You can also select a filter which removes unwanted alias frequencies found in some LCD video-projectors.

- The input source aspect-ratio 4/3 – 16/9 – Widescreen Anamorphic can be selected, as well as the 4/3 & 16/9 Screen selection to avoid "resizing" the video-projector ZOOM when viewing 4/3 Sources on a 16/9 display.
- It provides a cost effective, time base corrected scaling Solution for the A/V Pro & Home Theater applications.
- The black and white composite is accepted (for industrial, security, camera...applications).

TECHNICAL SPECIFICATIONS:

VIDEO INPUTS:

- 2 x Composite Video
 2CØ = 3.58 MHz / 4.43 MHz
 PAL / SECAM = 15.625 kHz / 50 Hz
 NTSC = 15.735 kHz / 60 Hz
 Black & White: 15 kHz/50-60 Hz
- 2 x S.Video (Y/C)
 SCØ = 3.58 MHz / 4.43 MHz
 PAL / SECAM = 15.625 kHz / 50 Hz
 NTSC = 15.735 kHz / 60 Hz
- 1 x Component (YUV)
 15.625 kHz / 50 Hz – 625L
 15.735 kHz / 60 Hz – 525L
 YUV (0.7 Vp/p)
- 1 x RGB/S
 15,625 Khz / 50 Hz – 625 L
 15,735 Khz / 60 Hz – 525 L
 1 X RGB = 0,7 Vp/p
 Sync = TTL

COMPUTER INPUT:

- 1 x Computer (PC, POWER MAC®, WORKSTATION) or External Source (HDTV) in RGBHV, RGB/S or YUV
- Resolution from 640 x 480 up to 1600 x 1280 (24 kHz to 85 kHz, interlaced or Progressive).

DISPLAY OUTPUT:

- RGBHV or RGB/S selectable (Buffered H & V separate Sync. or Composite Sync.)
- RGB = 0.7 Vp/p (75Ω load)
- Selectable output resolution
 DOUBLER : 640 x 480 (480 p)
 DOUBLER : 766 X 576 (576 p)
 42" PLASMA : 852 x 480
 SVGA : 800 x 600
 XGA : 1024 x 768
 720P (HDTV) : 1280 X 720 (16/9)
 50" PLASMA : 1280 x 768 (16/9)
 QUADRUPLER : 1280 X 960
 QUADRUPLER : 1530 x 1152
 D-ILA : 1365 x 1024 & 1365 x 768 (16/9)

COMPUTER:

- From VGA to UXGA (24 kHz to 85 kHz) RGB or YUV
- Identical to the input (buffered loopthrough)

USER'S CONTROLS:

FRONT PANEL:

- COMPOSITE 1 & 2 : Selection of the Composite Inputs

S.VIDEO 1 & 2 :

- Selection of the S.VIDEO Inputs
- RGB.S/COMPONENT : Selection of the RGB.S and Component Input (YUV)
- COMPUTER : Selection of the COMPUTER or EXTERNAL input.
- DISPLAY LCD/CRT/DMD : Selection of the type of Video-Projector Filter.
- LCD WINDOWS & CONTROL BUTTONS FOR :
 Sharpness, Brightness, Contrast, Color, Tint, Gamma adjustments
 Aspect Ratio (Source & Screen)
 Input and Displayed output status
 Horizontal and Vertical, Position and Size adjustments
 ON/OFF : AC POWER SWITCH

CONNECTORS :

INPUTS :

- Composite 1 : BNC connector
- Composite 2 : BNC connector
- S.Video 1 : Y/C mini DIN connector
- S.Video 2 : Y/C mini DIN connector
- COMPONENT : 3 BNC connectors
- RGBS : 4 BNC Connectors
- COMPUTER : HD15F connector

- RS-232 (REMOTE CONTROL) : DB9F connector

OUTPUT:

- DISPLAY OUTPUT: HD15 Connector

POWER SUPPLY:

- Internal, Universal, and Automatic
- 100 - 250 VAC; 50 / 60Hz (25W) (UL, CSA, CE)

DIMENSIONS:

- 19", 1 Unit compatible
- D 200 x W 440 x H 44 mm
 L D 7.8" x W 17.3" x H 1.74"

WEIGHT: 2.5 Kg / 5.5 Lbs

SUPPLIED WITH:

- 1 x HD 15 M/M cable
- 1 x S.Video (Y/C) cable
- 1 x RCA/RCA cable
- 1 x BNC/RCA adapter
- 1 x AC Power cable
- 1 x set of 19" brackets
- 1 x RS-232 Remote Control Software

WARRANTY:

3 years warranty on Parts & Labor, back to the factory

ACCESSORIES REFERENCES (optional):

- SMV415 : Smart Switch Video
- SMA415 : Smart Switch Audio
- DB2-230 : Dual Booster (230 VAC)
- DB2-115 : Dual Booster (115 VAC)
- DGB2-230 : Dual Graphic Booster (230 VAC)
- DGB2-115 : Dual Graphic Booster (115 VAC)
- 10023 : 5 BNC/HD 15 M cable (1.8m - 6ft)
- 10024 : 5 BNC/HD 15 M cable (3m - 10ft)
- 10025 : 5 BNC/HD 15 F cable (1.8m - 6ft)
- 10026 : 5 BNC/HD 15 F cable (3m - 10ft)
- 10093 : Y/C cable (5m - 16ft)
- 10094 : Y/C cable (10m - 33ft)
- 10022 : HD 15 M/M cable (6m - 20ft)
- 10076 : HD 15 M/M cable (10m - 33ft)
- 10045 : 5 BNC/5 BNC cable set (6m - 20ft)
- 10096 : 5 BNC/5 BNC cable (6m - 20ft)
- 10098 : 5 BNC/5 BNC cable (10m - 33ft)
- 10100 : 5 BNC/5 BNC cable (20m - 66ft)
- 10110 : DB9 remote cable (3m - 10ft)