

VERY HIGH RESOLUTION WORKSTATION TO XGA2 and SVGA UP/DOWN CONVERTER

FOR HIGH RESOLUTION PRESENTATION & DISPLAY-INDUSTRIAL-C.A.D-MILITARY-MEDICAL-VIDEO WALL-HIGH LUMINOSITY PROJECTORS

TRANSVECTOR 1600™ Ref. TVCT 1600R

• COMPUTER INPUT:

Up to 1600 X 1280

• AUTO-SCAN: up to 130 KHz

• OUTPUT:

XGA2 & SVGA (optional SXGA* or VGA*)

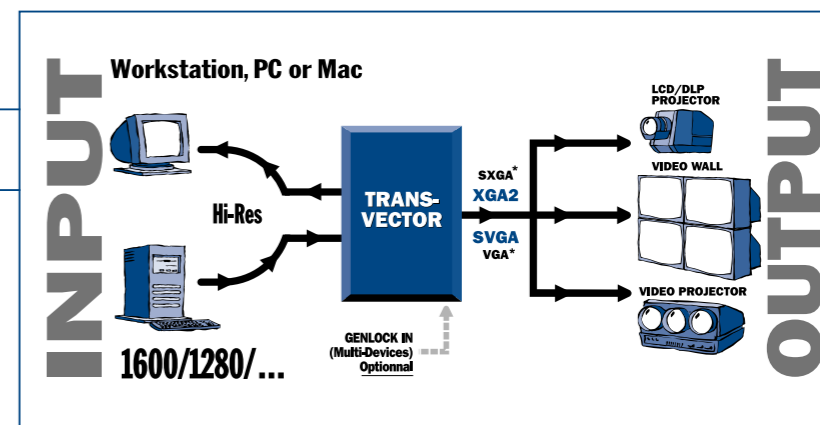


REFERENCES:

- TVCT1600R with XGA2 & SVGA output
- OPT-SXGA*: optional additional SXGA (1280 x 1024 - 63.4 KHz) output
- OPT-VGA*: optional additional VGA* (640 X 480 - 31.5 KHz) output
- OPT-S*: optional External Synchronization Mode
- Optional RS232, please consult us Complete option references pg 75

FEATURES:

- High resolution WORKSTATION, PC, POWER MAC®, MACINTOSH®
- Automatic Sync. processing
- Input format memory
- BNC & 15 pin HD Output
- Real Time Conversion
- Optional :
 - External Sync. (Genlock)
 - SXGA, VGA output



DESCRIPTION:

The TRANSVECTOR™ is an UP/Down Converter that allows you to convert incoming graphic images from PC, MACINTOSH® or WORKSTATION, up to 1600x1280, into a standard XGA 2 (1024x768) & SVGA (800x600) output (SXGA or VGA outputs in option).

The TRANSVECTOR™ uses an ASICs designed by Analog Way and offers powerful parallel architecture.

The device is totally AUTO-SCAN up to 130 KHz input and converts in REAL TIME. It automatically performs and recognizes any WORKSTATION, PC, MACINTOSH® with separated H & V (TTL), COMPOSITE SYNC. (Analog or TTL) or SYNC. ON GREEN.

A correct H/V positioning is possible for each application by means of 16 input formats memory.

The XGA2 & SVGA outputs are compatible with the matricial display and also are comfortable on Video Projectors and Video Walls. The converted

output is available on 15 pin HD and BNC connectors. It allows a RGSB, RGBS & RGBHV universal compatibility and simplifies direct connection with any DLP, LCD Projector or CRT Monitor.

The high performance H and V smoothing filter adjustments and the multi-mode operation (Master or Fast moving picture) significantly increase the full motion and image quality. The optional SLAVE Genlock mode allows to "stack" several TVCT 1600 with synchronized H&V outputs.

The device input ensures also an «up conversion» from VGA (31.5 kHz) into XGA2 & SVGA.

TECHNICAL SPECIFICATIONS:

INPUT:

- SUN®, SGI®, DEC®, HEWLETT PACKARD®, TEKTRONICS®, INTERGRAPH®, PC, MACINTOSH® & POWER MAC
- Automatic Recognition of all synchronization (RGSB, RGBS, RGBHV)
- Resolution: up to 1600 x 1280
- Horizontal frequency: 29 KHz to 130 KHz
- Vertical frequency: up to 130 Hz

OUTPUTS:

- XGA2 1024x768 (48.3 KHz/60Hz)
- SVGA 800x600 (37.9 KHz/60Hz)
- Optional SXGA 1280 x 1024 (64.3 KHz/60 Hz)
- Optional VGA 640 x 480 (31.5 KHz/60 Hz)
- Sync. Mode: SOG, COMPOSITE or separated H&V selectable

SPECIFICS INPUT/OUTPUT - UPON REQUEST

SYNCHRONIZATIONS MODE:

- STANDARD MODE «SLOW»: Output frame rate = 60 Hz
- MOVING PICTURE MODE «FAST»: The output frame rate is the same as the Computer input frame rate

- OPTIONAL EXTERNAL SYNC. MODE: Genlockable with external Sync. Generator for Video Wall, Split Screen and Video Projector switching applications

USER'S CONTROLS:

FRONT PANEL:

- POWER: LED
- FREEZE FRAME: Push button + LED
- H&V Smooth: Image adjustment (filter)
- SLOW/FAST: Standard or fast moving picture Sync. mode
- INPUT: Push button with format/Store, Store/Recognition LED's
- POS./SIZE: Image position and size mode
- H/V: Horizontal and vertical image controls
- I/O: AC Main Switch
- REAR PANEL:
 - Hi.Z/75 Ohms: Terminating switch for computer Input
 - XGA2/S.VGA/F2: Converted output
 - Sync.: Output sync. mode Switch (H&V, Composite or SOG)

CONNECTORS:

INPUT:

- Power supply connector
- COMPUTER IN: 15 pin HD male Output: 15 pin HD female
- MONITOR OUT (loopthrough): 15 pin HD female
- Converted output: 5 BNC and 15 pin HD female

SIGNALS:

- 16 Million of colors
- RGB 8 bits, each plane
- GRAPHIC INPUT:
 - RGB: 0.7 V p/p under 75Ω
 - SYNC.: H & V (TTL) COMPOSITE (TTL or 0.3V)
 - SOG (0.3V under 75Ω)
- CONVERTED OUTPUT:
 - RGB: 0.7 V p/p under 75Ω
 - SYNC.: H & V (TTL) COMPOSITE (TTL)
 - Sync. On Green: 0.3 V p/p under 75Ω

OPTIONAL EXTERNAL SYNC. MODE:

- External Sync. Mode (15 pin HD female)

OPTIONAL RS232, PLEASE CONSULT US

DIMENSIONS:

- D 290 x W 428 x H 43 mm
- D 11.85" x W 16.85" x H 1.7"
- 19", 1 Unit Rack

WEIGHT: 2.5 kg/5.5 Lbs.

POWER SUPPLY:

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

SUPPLIED WITH:

- 1 x VGA M/F cable (1.8m / 6 ft)
- 1 x set of SUN® (13W3) / VGA cable adapter
- 1 x set of 5 BNC / VGA cable adapter
- 1 x set of MAC (RGBS) / VGA cable adapter
- 1 x set of MAC (HV) / VGA cable adapter
- 1 x Ac Main cable

WARRANTY:

3-Year warranty on Parts & Labor back to the factory

ACCESSORIES REFERENCES (OPTIONAL):

- 10017: HD15 M/F (6m / 20ft)
- 10019: HD15 M/F (10m / 33ft)
- 10022: HD15 M/M (6m / 20ft)
- 10076: HD15 M/M (10m / 33ft)
- 10084: HD15 M/M (20m / 66ft)
- 10096: 5 BNC / 5 BNC cable (6m / 20ft)
- 10098: 5 BNC / 5 BNC cable (10m / 33ft)
- 10100: 5 BNC / 5 BNC cable (20m / 66ft)

• Additional cable available, please see the cables section.