

TV One 1T-C2-750-b Dual-PIP DVI-I Video Scaler

DVI-I Input

- DVI-D (on DVI-I connector) supporting up to 162MHz (1920x1200@60Hz & 1080p/60). (1T-C2-760 also supports 2880x900@60Hz over DVI.)
- HDCP compliant repeater.
- EDID 1.3 data to communicate available resolutions.
- DVI-A (on DVI-I connector) supporting analog RGB/YPbPr supporting RGBHV, RGBS, RGsB, YPbPr, auto-terminating into 75 Ohm
- Digital sync (in RGBHV or RGBS mode): TTL Level, 10K termination, pos or negative
- Analog sync (in RGsB, YPbPr, YUV modes): 0.3v negative.
- Analog RGB Level Range: 0.5-2.0 Vp-p approx.
- Scan Rate Detection: automatic
- Analog PC Resolutions: any up to 2048x2048
- Analog HDTV Resolutions: any up to 1080p
- Analog max horizontal scan rate: 150kHz

PC/HD Scaled Output

- DVI-D (on DVI-I connector) supporting up to 162MHz (1920x1200@60Hz & 1080p/60). (1T-C2-760 also supports 2880x900@60Hz over DVI.)
- HDCP compliant.
- DVI-A (on DVI-I connector) supporting analog RGBHV, RGBS, RGsB, YPbPr (0.7v RGB / 1.0v sync-tip to white, approx. 0.13v DC offset)
- Analog output impedance 75 Ohm
- Analog PC Resolutions: any up to 2048x2048 (user adjustable)
- Analog HDTV Resolutions: any up to 1080p
- Vertical Refresh Rate: any to 250Hz

Locking/Mixing

- Keyer: chromakey (YUV) or lumakey (Y).
- Mixer: PC / Video, foreground/background swappable.
- PIP: variable window size & position "storable" presets.

Scaling / sampling / memory

- Size and position: automatic via AutoSet or Manual
- Image size: user-definable presets
- Image freeze: one video frame
- Settings memory: non-Volatile
- Zoom range: variable to 10x Zoom (1000%)
- Shrink range: variable to 10%
- Image mirroring: Horizontal and/or Vertical
- Horizontal filtering: full digital
- Conversion technology: proprietary
- Color resolution: 24-bit (16.8 Million Colors)
- Sampling rate: 162MHz maximum
- Digital sampling: 24-bit, 4:4:4 format
- Firmware memory: flash, upgradeable via RS-232
- 1T-C2-760 also supports motion compensation & temporal interpolation