1T-C2-750

Dual DVI Scaler **PLUS** (✖)

The **1T-C2-750** includes two high-quality graphic scalers capable of working at full DVI video rates. It can process digital DVI-D and analog DVI-A signals including RGBHV, RGBS, RGsB and YPbPr formats, using the two DVI-I inputs and one DVI-I output available. Each of these inputs can be scaled and/or converted to any of the accommodated formats if required and HDMI signals (with or without HDCP) are also accommodated using adaptors. As well as scaling and conversion, the unit is fully equipped to provide dual picture-in-picture windowing, seamless switching, keying and overlaying, 10 editable presets and Flash memory for the storage of 10 user loadable images such as custom logos and testcards.

Dual Picture-in-Picture
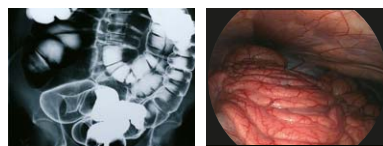
Source A   Source B

The 1T-C2-750 can be used as a Dual Picture-in-Picture device as shown. In this example Source A and B are re-sized and positioned side by side over a color background. Source B has also been given a color border.
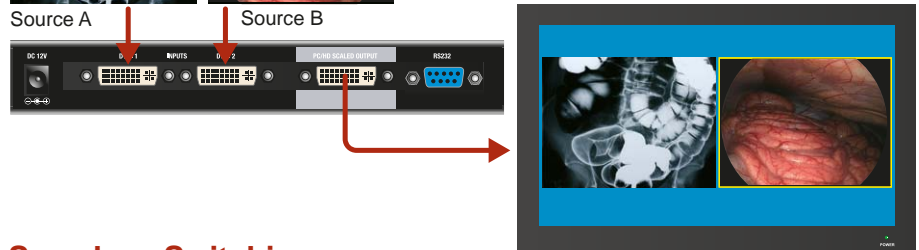
Seamless Switching

The 1T-C2-750 can be used as a Seamless Switcher between two full screen images. Transition from one input to the other is by either fade, cut or curtain wipe.
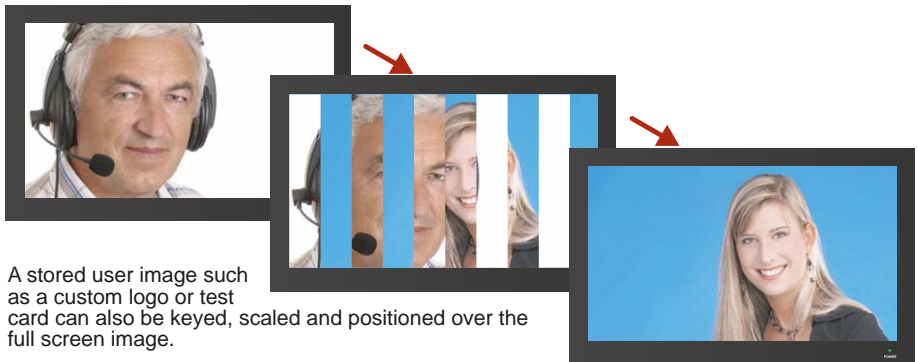
A stored user image such as a custom logo or test card can also be keyed, scaled and positioned over the full screen image.

Editable Preset examples

1. Dual PIP   2. Layered PIPs + borders   3. Coloured background   4. Transparency   5. Stored user image (ie keyed logo)
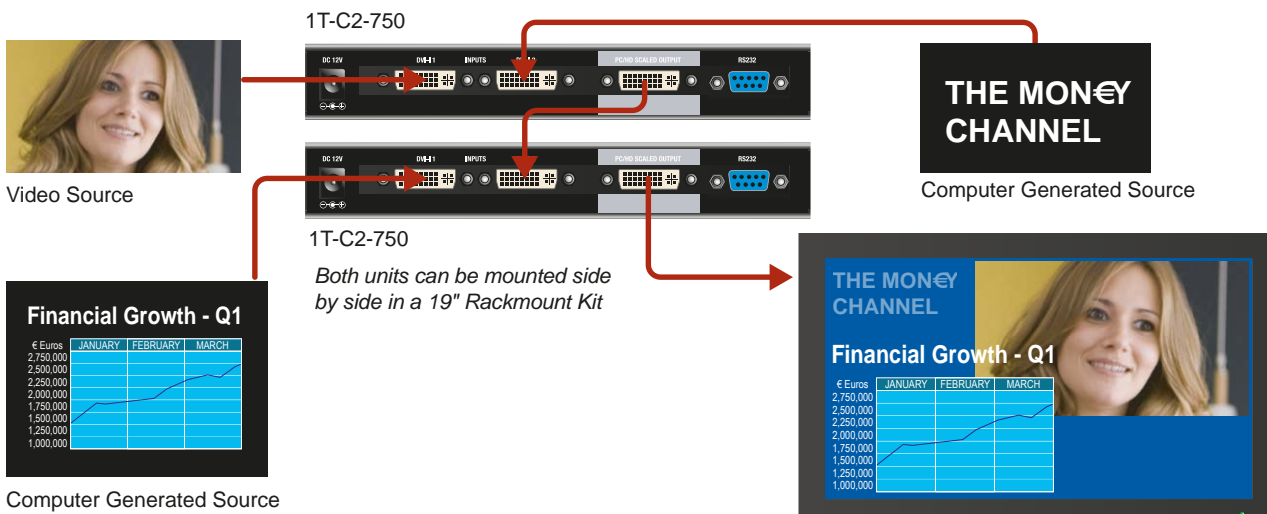
Video Switcher/Scalers

Cascading 2 or more units

Several 1T-C2-750 units can be cascaded resulting in additional picture-in-picture graphics, logos, testcards and keyed images onto one screen. For example a combination of two units can provide three scaled and positioned images from three separate sources over a color background.

1T-C2-750

Video Source

Financial Growth - Q1

Computer Generated Source

Both units can be mounted side by side in a 19" Rackmount Kit

1T-C2-750

THE MON€Y CHANNEL

Computer Generated Source

THE MON€Y CHANNEL
Financial Growth - Q1

1T-C2-750 Specifications

Video Inputs
Signal Type	2x DVI-I via DVI-I Connector
Digital DVI-D Resolutions	PC to 1920x1200,HD to 1080p/60
Analog DVI-A	RGBHV, RGBS, RGsB, YPbPr
Sync	TTL Level, 10KΩ, Pos or Neg
Termination	75Ω
R-G-B Level Range	0.5-2.0 Vp-p
Scan Rate Detection	Automatic
PC Resolutions	Any up to 2048x2048
HDTV Resolutions	Any up to 1080p/60
Max Horiz Scan Rate	150KHz
Computer Compatibility	PC, Macintosh, Workstations

Computer Outputs
Signal Type	1x DVI-I via DVI-I Connector
Format	RGBHV, RGBS, RGsB, YPbPr
R-G-B Level	0.7 Vp-p
Analog Signals	PC to 2048x2048,HD to 1080p/60
DVI Signals	PC to 1920x1200,HD to 1080p/60
Vertical Refresh Rate	Any to 250Hz

Compliance
HDCP	Version 1.2

General
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
Shrink Range	Variable to 10%
Image Mirroring	Horizontal and/or Vertical
Horizontal Filtering	Full Digital
Conversion Technology	Proprietary – CORIO®2
Frame Rate Conversion	Frame add/drop
Color Resolution	24-bit (16.8 Million Colors)

Sampling Rate	162MHz
Digital Sampling	24-bit, 4:4:4 format
Firmware Memory	Flash, Upgradeable via RS-232
Analog Video Adjustments	R-G-B Levels Contrast, Phase

Audio support
Embed / De-Embed	HDMI (via DVI)

Control Methods
Local	via Front Panel Buttons & OSD
RS-232 Interface	via D9 Female Connector
Infrared Remote	via IRC-5 Remote Unit

Warranty
Limited Warranty	5 Years Parts and Labor

Regulatory Compliance
Main Units	FCC, CE, RoHS
Power Supplies	UL, CUL, CE, PSE, GS, RoHS

Mechanical
Size (H-W-D)	30x200x90mm(1.18"x7.87"x3.54")
Weight (Net)	0.52 kg (1.14 lbs)

Environmental
Operating Temperature	0° to +50° C (+32° to +122° F)
Operating Humidity	10% to 85%, Non-condensing
Storage Temperature	-10° to +70° C (+14° to +158° F)
Storage Humidity	10% to 85%, Non-condensing

Power Requirement
External Power Supply	12VDC@1A

Accessories Included
1x Operations Manual	1T-C2-750
1x Power Adapter	US, UK, Euro or Australia

Product Item Numbers
1T-C2-750	Dual-PIP DVI-I Switcher/Scaler

Optional Accessories
IRC-5	Infrared Remote Control
RM-230	Single/Dual Rackmount Kit
ZDH-2038	DVI Male to 5-BNC Female
ZDH-2040	DVI Male to VGA Female

Control Interface | Input | Output | Input/Output

1T-C2-750

DC 12V | DVI-I 1 | DVI-I 2 | PC/HD SCALED OUT | RS232

DVI-I | DVI-I | DVI-I | RS232