

1T-C2-100, 1T-C2-150 Specifications

Computer Input

Signal Type - Analog	RGBHV, RGBS, RGsB, YPbPr
Sync	TTL Level, 10KΩ, Pos or Neg
Termination	Auto-terminating into 75Ω
Connectors	1x HD-15 Female with Loop-thru
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
Vertical Refresh Rate	Any to 250Hz
Max Horiz Scan Rate	150KHz
Computer Compatibility	PC, Macintosh, Workstations

Video Inputs

Composite Video	1x via BNC
YC (S-Video)	1x via 4-Pin Mini-DIN Connector

Video Outputs

Television Standards	NTSC, PAL, PAL-M, PAL-N, SECAM
Impedance	75Ω
Composite Video	2x via BNC (1x on 1T-C2-150)
YC (S-Video)	2x via 4-PIN (1x on 1T-C2-150)
Computer Loop-thru	1x via HD-15 Female Connector

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
Color Resolution	24-bit (16.8 Million Colors)
Sampling Rate	108MHz
Digital Sampling	24-bit, 4:4:4 format
Firmware Memory	Flash, Upgradeable via RS-232
Video Encoder	8-bit Digital
Video Adjustments	R-G-B Levels

Operational Modes

Key	(1T-C2-150) Chromakey or Lumakey
Mix	Mix PC to/from Video
PIP	Variable Window Size & Position

Genlock Adjustments

Subcarrier Lock Range	(1T-C2-150) +/- 200Hz for NTSC Operation (+/- 250Hz for PAL Operation)
Subcarrier Phase	+/- 180°

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	2 Years Parts and Labor
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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
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Accessories Included

1x Operations Manual	1T-C2-100 Series
1x Power Adapter	US, UK or Euro

Product Item Numbers

1T-C2-100	Down Converter
1T-C2-150	Down Converter PLUS

Optional Accessories

IRC-5	Infrared Remote Control
RM-230	Single/Dual Rackmount Kit
1x Control Software	Downloadable from website

