



Video Scalers

tvoneTASK

Model 1T-C2-400

1T-C2-400 PC/HD Scaler is based on TV One's exclusive CORIO®2 technology and provides bi-directional, high quality conversion between Computer and HDTV signals in a compact package. Both input and output support any computer resolution up to 2048x2048 at any vertical refresh rate and all HDTV resolutions up to 1080p. Cross conversion within formats is also supported. The wide variety of computer signal formats available support PC, Mac and Workstation formats as well as analog HDTV display devices.

All the functions can be controlled via the front panel Push Buttons, an Infrared Remote Control Unit or an RS-232 connection. CORIOtools Suite, Windows Control Panel and most third party control systems interface directly with the entire C2 range of products. An On-Screen Display is available to assist in setup. Variable Zoom to 10X allows you to enlarge any part of the video image to fill the entire computer screen. The full bandwidth chroma sampling ensures faithfully reproduced, high resolution colors.

CORIO 2 Technology



This symbol on a product indicates that it is powered by CORIO®2 technology, the most flexible video processing engine now available.

Unlike most manufacturers, who use third party chipsets to provide video conversion, TV One has developed its own proprietary technology known as CORIO®2. This frees TV One products from the constraints imposed by third parties and results in an unsurpassed degree of flexibility. Products based on third party chipsets have a

Specifications

Input/Output

| | |
|-----------------------|--------------------------|
| Format - Analog | RGBHV, RGBS, RGsB, YPbPr |
| Connectors | 1x HD-15 Female |
| R-G-B Level | 0.7 Vp-p |
| PC Resolutions | Any up to 2048x2048 |
| HDTV Resolutions | Any up to 1080p |
| Vertical Refresh Rate | Any to 250Hz |

General

| | |
|-----------------------|---------------------------------|
| Size and Position | Automatic via AutoSet or Manual |
| Image Freeze | One Video Frame |
| Settings Memory | Non-Volatile |
| Zoom Range | Variable to 10X Zoom |
| Conversion Technology | Proprietary – CORIO®2 |
| Firmware Memory | Flash, Upgradeable via RS-232 |
| Video Adjustments | R-G-B Levels |

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 |
|------------------|-------------------------|



Key Features of the 1T-C2-400

- Automatic Incoming Resolution Detection
- 1x RGB/YPbPr Input and Output
- Input/Output PC Resolutions to 2048x2048
- Input/Output HDTV Resolutions to 1080p
- Converts PC to HDTV or HDTV to PC
- Converts PC to PC or HDTV to HDTV
- Control via RS-232, IR or Front Panel
- CORIOtools Suite compatible
- Windows Control Panel included
- Variable Image Zoom to 10X and Shrink to 10%
- Optional IR Remote Control Unit
- Optional Single/Dual Rackmount Kit

feature set frozen at the introduction of the product. Since the CORIO®2 video processing engine is entirely firmware based, it can be upgraded at any time by downloading the latest firmware version from the support website and flash upgrading the unit in the field. This enables new features to be added to units many years after the initial purchase. This "obsolescence insurance" means that a CORIO®2 based product can always be upgraded to the latest version of that model.

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) | 0.50 kg (1.10 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 | |
| 1x Power Adapter | US, UK, Euro or AU |
| Product Item Number | |
| 1T-C2-400 | PC/HD Scaler |
| Optional Accessories | |
| IRC-5 | Infrared Remote Control |
| RM-230 | Single/Dual Rackmount Kit |

Panel Drawings

