

TV One C2-6104A-T CORIOview 4-Window DVI-U Processor with tally board fitted

Computer Input

- DVI-D (on DVI-I connector) supporting up to 162MHz (1920x1200 @ 60Hz).
- HDCP support.
- EDID 1.3 data on DVI-D connector to communicate available resolutions.
- 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

Composite Video Input

- DVI-U connection on DVI-I connector supports Composite Video on Green analog input. DVI-U to 1x BNC adaptor used to connect input to unit.

Computer Output

- DVI-D output on DVI-I connector, supporting up to 162MHz maximum clock/pixel rate (1920x1200 @ 60Hz).
- HDCP support.
- Analog output impedance 75 Ohm
- Analog RGBHV, RGBS, RGsB, YPbPr (0.7v RGB / 1.0v sync-tip to white, approx. 0.4v DC offset)
- Connectors: HD-15 and/or 5 x BNC
- 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: variable layering control
- PIP: variable window size & position – single-button enabling

De-interlacing

- Full motion-adaptive de-interlacing at the pixel level.
- Motion-adaptive noise reduction for SDI and analog YPbPr inputs.
- 3:2 pull-down for 24 fps film sources.

Scaling / sampling / memory

- Size and position: automatic via AutoSet or Manual
- Image size: 50 user-definable presets (presets 6 to 10 pre-defined)
- 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 RGB (16.8 Million Colors), 20-bit 4:2:2 YCbCr processing.
- Sampling rate: 162MHz maximum
- Firmware memory: flash, upgradeable via RS-232

Tally module

- Tally inputs detect a connection to ground. Internally pulled to 2.5v through resistors.
- Tally outputs are opto-isolated and pull to ground. Internally pulled to 5v through 4k7 resistor.
- 5v output supplied, current-limited to 100mA.
- RJ45 connector supports RS-485 and RS-422 modes.
- UMD protocol supports TSL 3.1 only.

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

- Mains supply: 100-240V AC (50-60 Hz).
- Power consumption ~20W (but varies between units)

Control Methods

- Locally via the front panel buttons and Liquid Crystal Display.
- Remotely via the RS-232, RS-422, RS-485 interface using a D9 female connector.
- Remotely using Ethernet via a RJ45 Ethernet connector.

Mechanical

- Size (H x W x D): 1.725" x 17" x 7.92" (44 x 431 x 201mm)
- Weight (Net):7.0 lbs (3.2 kg)