

CentriX™

CentriX

iX Range

ref. CTX-8022

- > Hi-Res Computer and Video Seamless Switcher
- > For High Resolution A/V Presentations in Large Events, Conference, Houses of Worship, Exhibition Centers...
- > Flexibility with Two Operation Modes
- > PIP and Powerful Effects



RS232 or TCP-IP
for remote control &
Firmware updates

Optional SDI
and DVI Inputs

8 Universal Inputs:
Composite, S.Video,
YUV, HD-YUV or PC
up to UXGA



Optional: Composite,
S.Video, SDI & YUV/RGB
to record or broadcast the
main output

2 pairs of scaled Outputs
up to SXGA+ with Main
and Preview or matrix
mode

• 2 Operation Modes

- Mixer Seamless Switcher with Main & Preview
- 8 x 2 Hi-Res. Scaled Native Matrix

• 8 Universal Inputs

- Composite, S.Video, YUV, RGB, SDI (Optional), HDTV
- Computer: up to UXGA (Optional DVI)

• Outputs

- 2 x Scaled up to 1400 x 1050 (SXGA+ & D-ILA), Optional SDTV

• Effects

- Fading, Titling, Mixing, PIP, Cut (Seamless Switching)
- Hi-Res. Logo Inserter & Frame Store
- Logo(s) from Computer and Video Sources



HI-RES MIXER & SEAMLESS SWITCHER

CENTRIX

8 UNIVERSAL VIDEO INPUTS:

- **Composite Video:** NTSC = 15.735 kHz/60 Hz, PAL/SECAM = 15.625 kHz/50Hz
 - **S.Video (Y/C):** NTSC = 15.735 kHz/60 Hz PAL/SECAM = 15.625 kHz/50Hz
 - **Component (YUV):** 15.625 kHz/50 Hz 625L, 15.735 kHz/60 Hz - 525L
 - **RGB/S (TTL or 0.3V analog), RGsB (SOG: 0.3V analog), 15.625 kHz/50 Hz - 625L 15.735 kHz/60 Hz - 525L**
 - **Computer (RGB HV, RGB/S et RGsB):** PC, Mac, wkst., automatic sync. & centering, res. from 640x480 to 1600x1200 (up to 110kHz)
 - **HDTV:** Component (HD YUV 3 Level Sync.) 1080i/60Hz, 720p/60Hz, 480p/60Hz
 - **Options:**
 - SDI – 4:2:2 (10 bits)
 - DVI up to UXGA
- ### DISPLAY OUTPUT:
- 2 x MAIN / Out 1
 - 2 x PREVIEW / Out 2
 - RGB HV, RGB/S or RGsB (H&V separated, sync. Composite or SOG)
 - RGB = 0.7V p/p (75 Ohms load)
 - Output res.: SVGA, XGA, SXGA, SXGA+, D-ILA, 16/9, Plasma 852x480, 1365x768, 720p, 480p
 - **Options:**
 - SDTV (15kHz): Component, S.Video, Composite NTSC/PAL
 - Simultaneous: Call us
 - HDTV: 1080i @ 50/60 Hz, 720p @ 60 Hz
 - HD YUV 3 sync., HDSDI 10 bits
- ### USER CONTROLS
- Full control by additional remote keypad or provided software
- ### LOGO & FRAME STORE
- 8 logos & 2 frame stores, up to SXGA, 16 million colors
 - Non-volatile memory
 - Flash capture of Video or Computer sources
 - 256 step keying threshold control
 - Settable H&V logo position
 - 2 logos allocated by input
- ### EFFECTS:
- Cut, PIP, fade, title, mix

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INPUT CONNECTORS

- Input 1 to 4: on 5 x BNC
- Input 4 to 8: on HD 15F

OUTPUT CONNECTORS

- MAIN / OUT 1: 2 x HD15F connectors
- PREVIEW / OUT 2: 2 x HD15F

OTHER

- RS 232 Serial com port for remote control and update
- RJ 45 for TCP/IP

POWER SUPPLY

- Internal, universal, automatic, 100-250 VAC; 50/60 Hz (130 W) (UL, CSA, GS, CE)
- ON/OFF AC Main switch

DIMENSIONS:

- 19", 3U
- D370 mm x W480 mm x H133 mm
- D14.5" x W19" x H5.25"

WEIGHT:

7.5 kg / 16.5 Lbs (no option)

WARRANTY:

3 year warranty on parts and labor back to factory

Specifications subject to change without notice

CentriX™ by Analog Way is an 8 Universal Input **Computer & Video Up/Down Mixer Scaler Switcher** featuring numerous effects (cut, fade, PIP, title, mix) together with hi-res. logo insertion and frame store functions. Fitted with 8 universal inputs, it can be used as an 8 x 2 scaled matrix as well as a mixer.

NATIVE MATRIX MODE

CentriX, when used as a hi-res. matrix, allows to switch any of the 8 inputs to one of the 2 outputs. The inputs are scaled and can be displayed with different resolutions on outputs 1 and 2.

MIXER MODE

CentriX scales all sources – video and computer – and performs seamless switching transitions between any 2 inputs. It also performs various effects (PIP, fade, title, mix, cut). The 2 Main outputs match the native resolution of any video-projector or hi-res. display devices, and the Preview outputs allow to monitor the sequences before they are displayed on the main screens, avoiding errors during a presentation.

- **PIP Effect:** high quality picture insertion from any input. The PIP can be sized and moved anywhere over the background image. Both background image and PIP can be fast & smoothly switched through a fade to black or customized color. Customizable borders are also available.

- **FADE Effect:** between any input, computer or video with adjustable cross-fading duration.

- **TITLE Effect:** over a computer or a video image. The title remains on the screen during the transition. The shadow title function, with settable vertical size and position as well as level of shadow, increases readability on bright images.

FEATURES IN BOTH MATRIX & MIXER MODE

CentriX provides a high quality image thanks to its integrated digital decoder, improved 3:2 and 2:2 pull down circuitry, auto-adaptative pixel by pixel 3D motion compensation, Time Base Corrector, Frame Rate Converter & Follower. Each input image control can be individually set and stored in non-volatile memory.

LOGO INSERTION & FRAME STORE

True hi-res. 16 million color image defined either by keying or image cut-out: The frame store and logo(s) can be flash captured from any video or computer sources into a non-volatile memory. Up to 2 logos can be allocated by input and positioned anywhere on the screen. The frame store can be used as a welcome or transition image while switching between 2 sources.

CentriX is specifically designed with a blank front panel for hi-res. A/V presentation displays, conference room installations, boardrooms and exhibition centers. It offers a user-friendly interface and can be easily controlled remotely & upgraded via its RS232 or TCP/IP ports, or using the optional remote keypad. The result is dynamic, glitchfree and astonishing.

To control the CentriX:

TripliX: Event remote console

RK8022: Keypad with or without T-bar:

- Front panel with input selection, direct access to effects, freeze, take and black control, picture adjustments,

- Intuitive menu with user friendly set up and all image parameters

- Dimensions: D 5.1" x W8.6" x H4.01"/2.64"

D 130 mm x W220 mm x H 102/67 mm



TripliX



RK8022

ANALOG WAY

Download
at www.analogway.com:
- product spec sheets in pdf
- latest product upgrades
- latest control software

REFERENCES

- CTX8022: CentriX with remote control software RS-232
- RK8022*: remote control keypad
- RK8022-T*: remote control keypad with T-Bar
- TripliX*: remote console for 3 units

* sold separately

OPTIONS

- SDI 10 bit Input
- DVI Input
- SDTV or HDTV output
- CBD-UP: Cross Blender
- SWM-OE: Show Manager Open Edition