

VERY HIGH RESOLUTION SCAN CONVERTER WITH GENLOCK & SDI*

FOR BROADCAST STUDIO & PROFESSIONAL ENVIRONMENTS -TV PRODUCTION

STUDIO SCAN XTD825™ Ref. XTD825

- > Computer Input:
up to 1600x1280 - optional DVI Card
- > Auto-scan: up to 110 kHz
- > Video Outputs:
Component, RGB/S, S.Video,
NTSC/NTSCj/PAL + Optional D1



REFERENCES:

- XTD 825
- XTD 825-D1*
with 10 bits SDI Out
- OPT-DVI-XTD:
optional DVI In/Out

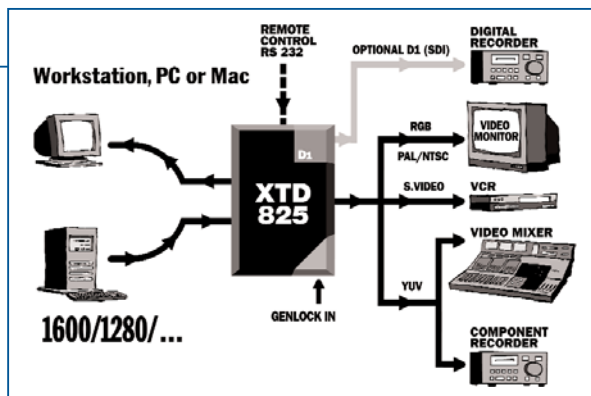
FEATURES:

- Workstations, PC, MAC compatible input
- COMPONENT recording
- Broadcast Genlock for external overlay
- Digital Video Output (option)
- Anti-Flicker 8 Levels
- Linear Pan or Zoom resizing up to 200%
- LCD window and Direct Touch Control (DTC) for easy control
- Input Format Memory
- Remote control RS232 (software)
- Real time



ANALOG WAY®

Studio Scan XTD825



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- Products PDF
 - Panel drawing in DXF format
 - The latest Product Upgrade
 - The latest Control Software
- Available for download at www.analogway.com

DESCRIPTION:

The Studio Scan XTD 825™ is a Broadcast Computer to Video Scan Converter with GENLOCK which allows you to convert your Workstation, PC, MACINTOSH®, graphic images (up to 1600x1280) into Video. The conversion is ensured in REAL TIME, FULL SCREEN. The XTD 825 is Auto-Scan and offers you a lot of user-friendly features for an easy and optimized conversion:

High performance Genlock, to OVERLAY graphics onto incoming video (external switcher). All of the Line & Subcarrier phase parameters are adjustable, and meet ITU-R (601) specifications.

LCD Window for efficient control and status of all the functions.

Direct Touch Control (DTC), for instantaneous and easy image adjustments.

Linear Pan/Zoom, up to 200%, to offer you the choice of the best picture size and position according to your application.

High performance 8 Levels of Anti-Flicker, to significantly decrease the interlaced inherent flicker of the video output. The XTD 825 offers you a very large Anti-Flicker algorithms pattern to surely find the adjustment which perfectly fits to your application.

Computer input format memory, 16 User presets, to store the exact

adjustments of the format that you are frequently using. Ideal and very useful for rental or multi computer applications.

In addition, all of the video outputs (NTSC/NTSCj (Japan)/PAL, S.VIDEO, RGB/S, COMPONENT/YUV (BETACAM™, DVCAM™, DVCPRO™) are buffered. The Composite, RGB/S and Component video directly drive the BNC connectors. An optional SDI, 10 bits, 4.2.2 which meets SMPTE 259 (REC601) specifications timings output is also available.

Studio Scan XTD 825™ offers all the features to ensure a Broadcast and Professional conversion. It offers State of the Art Digital Signal Processing and takes part in the leading edge of the Scan Conversion technology.

The optional DVI-D with Active Loopthrough offers a full Computer Serial Output digital Signal Processing.

TECHNICAL SPECIFICATIONS:

INPUT:

COMPUTER:

- VGA, VESA.X, XGA2, MAC®, SUN®, SILICON GRAPHICS®, INTERGRAPH®, HP®, POWER PC®
- Automatic recognition of synchronizations (RGsB, RGBS, RGBHV)
- Resolution: up to 1600x1280
- Optional DVI-D Signal for Digital input
- Horizontal Frequency: 29 kHz to 110 kHz
- Vertical Frequency: up to 130 Hz

OUTPUTS:

- Computer Monitor (loopthrough)
- Optional DVI Active Loopthrough
- Composite video/S.VIDEO NTSC/NTSCj/PAL
- RGsB or RGB/S (0.7 Vp/p + 2 Vp/p)
- COMPONENT: Y, R-Y, B-Y (0.7 Vp/p + 0.3 Vp/p)
- 625L/50 Hz CCIR + 525L/60 Hz (RS 170.A)

DIGITAL VIDEO OUTPUT:

- Optional SDI (4:2:2) 10 bits factory mounted for the XTD 825-D1 version

GENLOCK:

- Input: Black Burst
- Composite NTSC/PAL
- Output: Loop through

USER'S CONTROLS:

FRONT PANEL :

- Frame FREEZE: (Push Button + Led)
- UNDERSCAN & OVERSCAN mode with Horizontal and Vertical position and size adjustments
- ZOOM mode (continuous up to 200%) with Horizontal and Vertical position and size adjustments
- LCD WINDOW & CONTROL BUTTONS for:
 - Input format status
 - Multi-Levels Anti-Flicker
 - RGB & Black levels adjustment
 - RGsB or RGB/S Video Output
 - PAL/NTSC/Japan NTSC
 - Remote control Status
 - Genlock Subcarrier & line phase adjustments
 - DTC locking

REAR PANEL :

- Hi.Z/75 Ohms terminating switch for computer input

CONNECTORS:

INPUT:

- AC mains connector
- HD 15 pin female (computer)
- BNC (Genlock in)
- DB9 (remote control RS232)
- DVI-D in: optional

OUTPUT:

- 15 Pin HD female (computer monitoring)
- BNC (NTSC/PAL)
- BNC (RGsB RGB/S or COMPONENT: Y,R-Y,B-Y)
- 4 Pin Mini DIN (S.VIDEO)
- BNC (Genlock Out)
- BNC (D1 4:2:2 optional)
- DVI-D out: optional

DIMENSIONS : 1U, 19"

- D 300 x W 440 x H 44mm
- D 11.8" x W 19" x H 1.74"

WEIGHT: 3.3 kg / 7.3 Lbs

POWER SUPPLY:

- Internal, Universal, Automatic, 100-250 V; 50/60 Hz; 50 W (UL, CSA, GS, CE)

SUPPLIED WITH:

- Remote Control Software
- 1 x VGA M/M cable (1.8 m / 6 ft)
- 1 Multicoax 5 BNC to 5 BNC cable (1.8 m / 6 ft)
- 1 x S.VIDEO cable (1.8 m / 6 ft)
- 1 x AC Power cable
- 1 x set of 19" drakets
- 1 x User's manual

WARRANTY: 3 years warranty

on parts & labor, back to the factory

ACCESSORIES REFERENCES (optional):

- 10093: S. Video (Y/C) Cable (5m - 16ft)
- 10094: S. Video (Y/C) Cable (10m - 33ft)

- 10039: 5 BNC / 5 BNC Cable (3m - 10ft)
- 10096: 5 BNC / 5 BNC Cable (6m - 20ft)

- 10098: 5 BNC / 5 BNC Cable (10m - 33ft)
- 10100: 5 BNC / 5 BNC Cable (20m - 66ft)

- 10110: DB9 (M/F) Remote Cable (3m - 10ft)

• Additional cable available, please see the cables section.