

HIGH RESOLUTION SCAN CONVERTER WITH GENLOCK & SDI*

FOR PROFESSIONAL & BROADCAST ENVIRONMENTS - TV PRODUCTION - MEDICAL - MILITARY

STUDIO SCAN XTD820R™ Ref. XTD820R

• COMPUTER INPUT:

Up to 1600 X 1280

• AUTO-SCAN: up to 110 KHz

• VIDEO OUTPUTS:

COMPONENT, RGB/S, S.VIDEO,
NTSC/NTSCJ/PAL + Optional D1



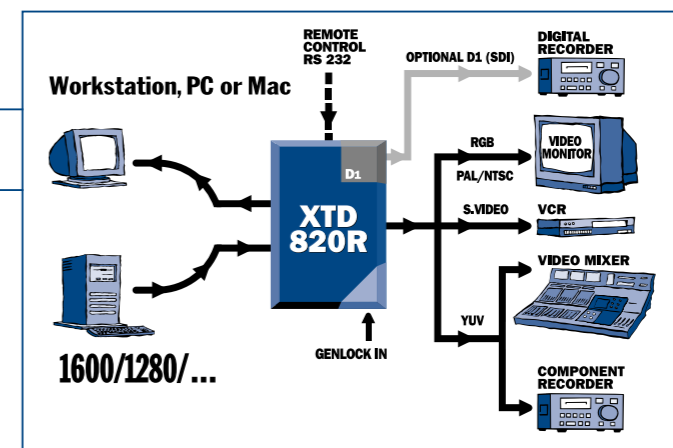
REFERENCES:

- XTD 820R
- XTD 820R-D1* with a Digital Video output

FEATURES:

- Workstations, PC, MAC compatible input
- COMPONENT recording
- Professional Genlock for external overlay

- Luma key output: for external overlay
- Optional Digital Video Output
- Multi-levels of Anti-Flicker
- Pan of zoom linear up to 200% resizing
- LCD window and Direct Touch Control (DTC) for control of easy image adjustments
- Input Format Memory
- Remote control RS232 (software)
- Real time



DESCRIPTION:

The Studio Scan XTD 820R™ is a professional 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 (UNDERSCAN/OVERSCAN function). The XTD 820R is Auto-Scan and offers you a lot of user-friendly features for an easy and optimized conversion:

High performance professional Genlock, to OVERLAY graphics onto incoming video (external switcher). All the Line & Subcarrier phase parameters are adjustable.

LCD Window for efficient control and status of all functions.

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

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

High performance Multi-Levels of Anti-Flicker, to significantly decrease the interlaced inherent flicker of video output. The XTD 820R offers you a very large Anti-Flicker operating field to surely find the adjustment which perfectly fit to your application.

Computer input format memory, 16 User preset, to store the exact adjustments already regulated or that you are frequently using, in order not to renew the processing for each application. Ideal and very useful for rental or multi computer applications.

In addition, all the video outputs (NTSC/NTSCJ/PAL/SECAM, S.VIDEO, RGB/S, COMPONENT/YUV (BETACAM™, DVCAM™, DVCPRO™)) are buffered. The Composite, RGB/S and Component video drive the BNC connectors directly. An additional Luma Key output is provided. An optional D1 output is also available.

Studio Scan XTD 820R™ offers all the features to ensure a Professional and Broadcast conversion. It offers State of the Art full RGB 16 million colors Digital Signal Processing and takes part in the leading edge of Scan Conversion technology.

TECHNICAL SPECIFICATIONS:

INPUT:

COMPUTER:

- VGA, VESA X, XGA2, 8514/A, MAC®, SUN®, SILICON GRAPHICS®, INTERGRAPH®, NEXT®, POWER MAC®, HP®, DEC®, POWER PC®
- Automatic recognition of synchronizations (RGsB, RGBS, RGBHV)
- Resolution: up to 1600x1280
- Horizontal Frequency: 29 KHz to 110 KHz (interlaced or not)
- Vertical Frequency: up to 130 Hz

OUTPUTS:

- Computer Monitor (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)
- Luma Key (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 820R-D1 version

GENLOCK:

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

USER'S CONTROLS:

FRONT PANEL :

- POWER Led
- FREEZE Frame: (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
- RECALL / STORE: Recall of previous image setting Store function for memorization of the input format with image settings (16 User presets)
- 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
- RGB/S or Component switch (video)
- Hi.Z/75 Ohms terminating switch for Genlock

CONNECTORS:

- INPUT:**
 - AC mains connector
 - 15 pin HD male (computer)
 - BNC (Genlock in)
 - DB9 (remote control RS232)
- OUTPUT:**
 - 15 Pin HD female (computer monitoring)
 - BNC (NTSC/PAL)
 - BNC (RGsB RGB/S or COMPONENT: Y,R-Y,B-Y)
 - 4 Pins Mini Din (S.VIDEO)
 - BNC (Genlock Out)
 - BNC (Luma Key)
 - BNC (D1 4:2:2) optional

DIMENSIONS : 1U, 19"

- D 300 x W 480 x H 44mm
- D 11.8" x W 19" x H 1.74"

WEIGHT: 2.5 Kg / 5.5 Lbs

POWER SUPPLY:

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

SUPPLIED WITH:

- Remote Control Software
- 1 x VGA M/F cable (1.8 m / 6 ft)
- 1 x set of 5 BNC / VGA cable adapter (1.8 m / 6 ft)
- 1 x set of 13W3 (SUN) / VGA cable adapter (1.8 m / 6 ft)
- 1 x set of MAC (RGBS)/ VGA cable adapter (0.3 m / 1 ft)
- 1 x set of MAC (HV) / VGA cable adapter (0.3 m / 1 ft)
- 1 x S.VIDEO cable (1.8 m / 6 ft)
- 1x AC mains cable

WARRANTY: 3-year 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.