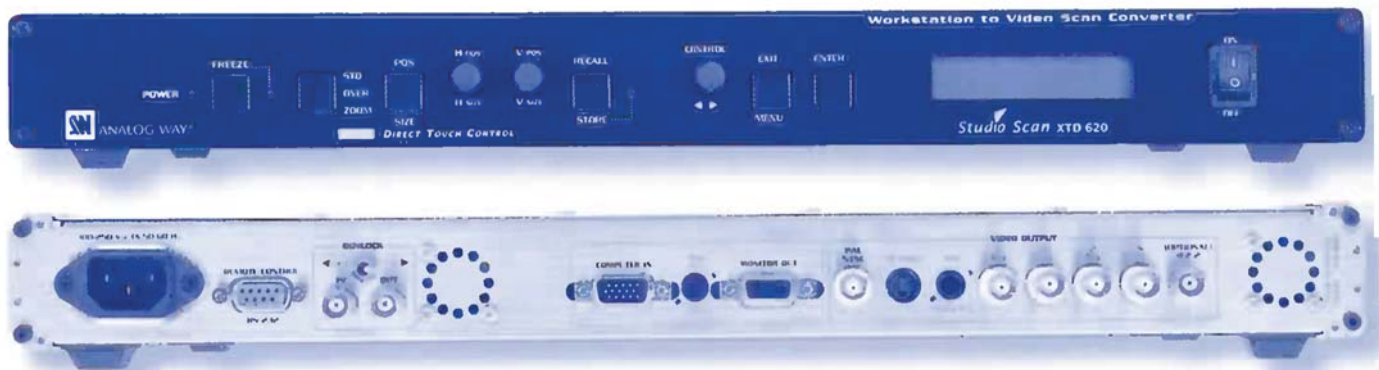


HIGH RESOLUTION SCAN CONVERTER WITH GENLOCK

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

STUDIO SCAN XTD620™ Ref. XTD620

- **COMPUTER INPUT:**
Up to 1280 X 1024
- **AUTO-SCAN:** up to 85 kHz
- **VIDEO OUTPUTS:**
COMPONENT, RGB/S, S.VIDEO,
NTSC/NTSCJ/PAL + Optional D1



REFERENCES:

- XTD 620
- XTD 620-D1*,
with a Digital Video output

FEATURES

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

Studio Scan XTD620

& SDI*

DESCRIPTION:

Especially dedicated to the portable Broadcast Studio Environments, STUDIO SCAN XTD 620™ is a professional Computer to Video Scan Converter with GENLOCK which allows you to convert your WORKSTATION, PC and MACINTOSH® graphic images (up to 1280 x 1024) into video. The conversion is ensured in REAL TIME and FULL SCREEN (UNDERSCAN/OVERSCAN function). The XTD 620 is Auto Scan and has lots of user-friendly features for an easy and optimal conversion :

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

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

Direct Touch Control (DTC), for instant and simple 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 Multi-Levels Anti-Flicker, to significantly decrease the inherent interlaced flicker of the video output. The XTD 620 offers you a very large Anti-Flicker operating range to be sure to find the ideal settings to best fit to your application.

Computer input format memory, 16 User presets, to store the exact settings already made or ones you often use, in order not to renew the processing for each application. Ideal and very useful for rental or multi computer applications.

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

The Studio Scan XTD 620™ offers all of the features to ensure a Professional and Broadcast conversion. It offers State of the Art full RGB 16 million colors Digital Signal Processing and is in the forefront of the Scan Conversion technology.

TECHNICAL SPECIFICATIONS:

INPUT:

COMPUTER:

- VGA, VESA.X, XGA2, 8514/A, MAC®, SUN®, SILICON GRAPHICS®, INTERGRAPH®, NEXT®, POWER MAC®, HP®, POWER PC®.
- Automatic recognition of synchronization (RGsB,RGBs,RGBHV)
- Resolution: up to 1280 x 1024
- Horizontal Frequency: 29 kHz to 85 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) 625L/50 Hz CCIR + 525L/60 Hz (RS 170.A)

DIGITAL VIDEO OUTPUT:

- Optional D1 (4:2:2) factory mounted for the XTD 620-D1 version

GENLOCK:

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

USER'S CONTROLS:

FRONT PANEL:

- POWER Led
- Frame FREEZE: (Push Button + Led)
- UNDERSCAN & OVERSCAN mode with Horizontal and Vertical position and size adjustment
- ZOOM mode (continuous up to 200%) with Horizontal and Vertical position and size adjustments
- RECALL / STORE: Recall of previous image settings Store function for memorization of the input format with image settings (16 User preset)
- 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 adjustment
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 Pin Mini Din (S.VIDEO)
- BNC (Genlock Out)
- BNC (D1 4:2:2) optional

DIMENSIONS :

- D 300 x W 440 x H 44mm
D 11.8" x W 17.3" x H 1.74" 19",
- 19", 1 unit compatible

WEIGHT: 2.5 Kg / 5.5 Lbs.

POWER SUPPLY:

- Internal, Universal, Automatic, 100-250V: 50/60 Hz, 65 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 MAC (RGBS) / VGA cable adapter (0.3 m - 1 ft)
- 1 x RCA / RCA cable
- 1 x BNC / RCA adapter
- 1 x S.VIDEO cable (1.8 m - 6 ft)
- 1 x AC Power cable
- 1 x set of 19" bracket

WARRANTY: 3 years warranty on parts & labor, back to the factory

ACCESSORIES REFERENCES (optional):

- 10045: Set of MAC®HV / VGA cable adapter

- 10087: Set of SUN (13W3) / VGA cable adapter

- 10088: Set of 5 BNC / VGA cable adapter

- 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.