HIGH RESOLUTION
SCAN CONVERTER WITH GENLOCK & SDI*

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

- 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

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

DESCRIPTION:

Especially dedicated to the **portable Broadcast Studio Environments**, STUDIO SCAN XTD 620™ is a professional 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, FULL SCREEN (UNDERSCAN/OVERSCAN function). The XTD 620 is Auto Scan and has lots of user-friendly features for an easy, 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 functions.

Direct Touch Control (DTC), for instant, simple 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 Anti-Flicker, to significantly decrease the inherent interlaced flicker of video output. The XTD 620 offers you a very large Anti-Flicker operating field to be sure of finding the ideal settings to 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 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 drive the BNC connectors directly. An additional Luma Key output is provided.

The Studio Scan XTD 620™ 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 is in the forefront of Scan Conversion technology.

TECHNICAL SPECIFICATIONS:

INPUT:
COMPUTER:
- VGA, VESA.X, XGA2, 8514/A, MAC®, SUN®, SILICON GRAPHICS®, INTER-GRAPH®, NEXT®, POWER MAC®, HP®, POWER PC®.
- Automatic recognition of synchroniza-tion (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
- FREEZE Frame: (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: 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 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 mains cable
- 1 x set of 19" bracket

WARRANTY: 3-year 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. Vídeo (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.