

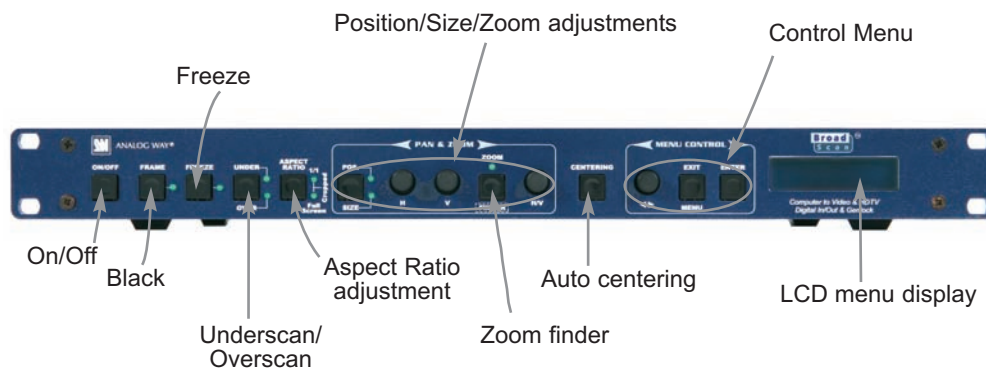
Broad Scan™

Broad Scan™

New!

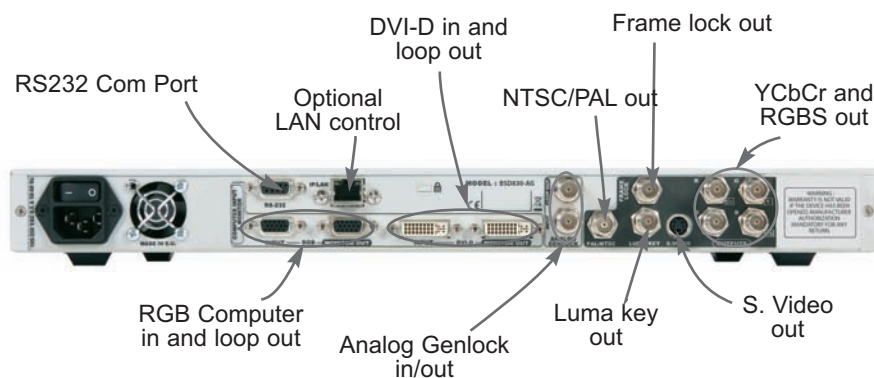
Model. BSC730

- Very High Resolution to Video Scan Converter with Genlock
- For Broadcast Studio and TV Production
- DVI and RGB Computer Input up to 1920x1200
- NTSC/PAL, Component, RGB and S.Video Outputs



Features

- Workstations, PC, Mac compatible input
- Analog outputs: YUV, NTSC/PAL, RGB, S-Video
- Genlock: Black Burst
- Multi-level anti-flicker
- Horizontal & vertical filters
- 16/9, 4/3, special size and cropped output
- Pan & zoom resizing up to 1000%
- RS232 Upgradable
- Remote control software
- Ethernet interface: Optional



ANALOG WAY®

www.analogway.com

P/N: BSC730/0507-VA

Scan Converters

Technical Specifications

Computer Input

- For PC, Mac and Workstation
- DVI-D and RGsB, RGBS, RGBHV with Automatic synchronization detection
- Resolution up to 1600x1200/60Hz & 1920x1200RB@60Hz
- Horizontal frequency from 31.5 to 130 KHz
- Vertical frequency up to 130 Hz

Outputs

- YCrCb; RGsB, RGBS: 0.7Vp/p + Sync. 0.3V - 75 Ohms
- S.Video: Y/C - 0.7Vp/p + Sync. 0.3V - 75 Ohms
- NTSC/PAL: Composite Video - 0.7Vp/p + Sync. 0.3V - 75 Ohms
- Luma key: Analog 0.7Vp/p - Same format as output - 75 Ohms
- Frame Lock: TTL Level - Output frame rate

Analog Genlock

- Input: Black Burst NTSC or PAL
- Output: Active loop through

User Controls and Connectors

FRONT PANEL

- Stand by On/Off
- Black
- Freeze
- Under/Over scan
- Aspect ratio: 1/1 - Cropped - Full Screen
- Zoom up to 1000%, linear pan & scan & Finder
- Position and size
- LCD screen and control buttons for:
 - Input type and status
 - 8 level anti-flicker
 - RGB & Black level adjustment
 - Sharpness
 - Output format selection
 - Genlock phase adjustment (H&fsc)

REAR PANEL

- **Input Connectors:**
 - DVI-I Female: (Digital computer in only)
 - HD15 Female (Analog computer in)
 - BNC (Genlock in)
- **Output Connectors:**
 - DVI-I Female: Active loop through
 - HD15 Female: Active loop through
 - BNC (x4): YUV or RGsB/RGBS
 - 4 pin Mini DIN: S. Video
 - BNC: NTSC / PAL
 - BNC: Genlock Active loop through
 - BNC: Analog Luma key out
 - BNC: Frame lock out
- **Miscellaneous:**
 - DB9: RS232 for remote control
 - RJ45: Optional Ethernet connection
 - AC mains connector with On/Off switch

Power Supply

Internal, universal, automatic, 100-250 V; 50/60 Hz; 40 W (UL, CSA, GS, CE)

Supplied with

- 1 x AC power cable
- 1 x Remote control software
- 1 x User manual

Dimensions: 1U, 19" compatible

- D 10.4" x W 19" x H 1.74"
- D 265 mm x W 482 mm x H 44 mm

Weight: 3.3 kg / 7.3 lbs

Warranty

3 year warranty on parts and labor back to factory

Specifications subject to change without prior notice

Broad Scan™ by Analog Way is a **Broadcast and Professional Computer to Video Scan Converter**. Fitted with Digital DVI and Analog RGB input, it converts Workstation, PC or Mac graphic images up to 1600x1200@60Hz (1920x1200 RB) into NTSC or PAL video. Each computer input has its own monitor loop through output for the connection of a control display.

Broad Scan features a powerful broadcast Genlock through a NTSC or PAL Black Burst. Genlock input is fitted with a loop through output allowing to daisy chain devices. The user can adjust phase and subcarrier delay according to a specific installation requirements. All Genlock timings meet broadcast ITU/SMPTE standards.

Broad Scan output formats are:

- NTSC - 525i @ 60 & 59.94 Hz - 15.735 kHz - ITU / RS170-A
- PAL - 625i @ 50 Hz - 15.625 kHz - CCIR

Broad Scan outputs different signals at the same time in one selected output format **NTSC or PAL**: one YUV or RGB, one S.Video and one Composite Video signals are available simultaneously.

Broad Scan also outputs Luma Key signal. The Luma key signal comes in the same format as the output and perfectly timed. In addition, a Frame Lock output allows synchronizing an external device frame rate such as a graphic card.

Broad Scan features real time conversion with

high performance Image Processing. User adjustments offer an Anti-Flicker filter to significantly reduce flickering of the interlaced TV outputs, as well as 2D Sharpness, RGB level and Black level. It converts single wire computer type signal into black and white video image just by setting a menu. The state of the art high speed hardware FPGA allows aspect ratio control and a wide linear or non linear zoom capability up to 1000%. In addition, a new highlighted "zoom finder" is provided to preview the actual part of the picture to be zoomed (H, V and H&V simultaneously).

Broad Scan is designed to be User Friendly thanks to many direct access functions such as Freeze, Black, Under/Over scan, Aspect Ratio, Zoom position and size. It also has easy to use and efficient menus on a clear bright blue LCD screen. LCD continuously displays Input and Output status during operation.

Broad Scan includes Computer input format memory: Up to 16 user presets are stored in the device corresponding to 16 different input formats. The exact adjustments of the frequently used formats are instantly recalled which makes the **Broad Scan** ideal and very useful for multi-computer applications or rental.

Cables for Broad Scan

- > **BNC Cables from 2m/6ft to 20m/66ft:** Ref. 10038 - 10039 - 10096 - 10098 - 10100
- > **S.Video cables from 6 ft to 66 ft:** Ref. 10009 - 10093 - 10094 - 10095
- > **Remote Cables from 0.3m/1ft to 30m/100ft:** Ref. 10109 - 10110 - 10111 - 10112 - 10113 - 10114
- > **VGA Cables from 0.3m/1ft to 2m/6ft:** Ref. 10014 - 10015 - 10077
- > **DVI Cables from 2m/6ft to 70m/230ft:** Details of references page 122

Reference

- > **BSC730:** Broad Scan

Option

- > **OPT-LAN:** IP / Ethernet Control

ANALOG WAY

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