

SDM-874p HD/SD Serial Digital Video to DVI Converter

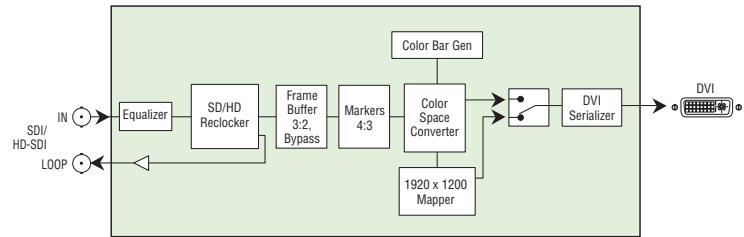


The SDM-874p is a miniature digital video interface converting HD/SD video signal to Digital RGB (DVI-HDTV). It provides automatic input scan rate detection and supports a wide variety of input formats (525i, 625i, 720p, 1080i, 1080p). The primary application is to convert SD/HD serial to Digital RGB for the purposes of feeding a DVI-HDTV display or a projector (CRT,

LCD, Plasma, DLP, D-ILA etc). In order to support the emerging popularity of 24p equipment and digital display, the SDM-874p outputs DVI-D with selectable 3:2 sequence insertion. In addition, the SDM-874p is compatible with any 1920x1200 native resolution displays including the Apple HD Cinema Display.

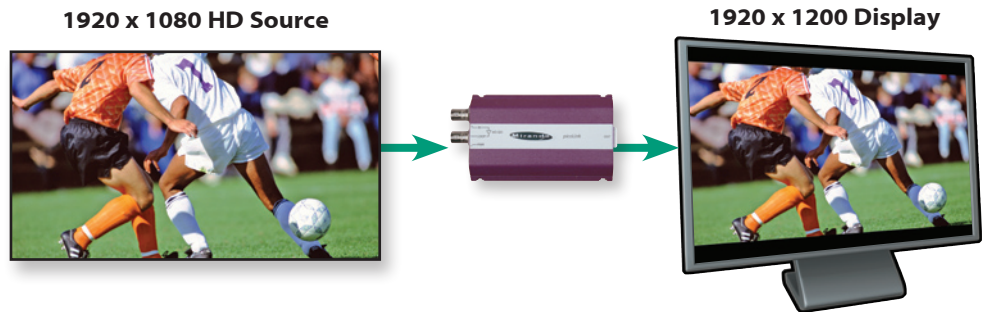
Key Features and Benefits

- SDI / HD SDI video input with active loop-through
- Digital RGB DVI-D output compliant to DVI-HDTV
- HDMI compatible with adaptor
- Supports 525i, 625i, 720p, 1080PsF, 1080i with automatic input scan rate detection
- Supports 1080i to 1080p conversion
- Supports direct output, p to PsF, PsF to p, 3:2 insert and Panasonic Varicam mode
- 1920x1200 Apple HD Cinema Display compatible
- Built-in test signal and 4:3 markers
- Time Code data



SDM-874p Functional Block Diagram

The SDM-874p is compatible with the very popular 1920 x 1200 Apple Cinema Display. The SDM-874p outputs "Letter Box" type 1920x1200 to preserve the HD aspect ratio.



Technical Specifications

INPUT

SIGNAL: SMPTE 259M-C (270Mbps) and SMPTE 292M (1.485, 1.485/1.001 Gbps) with reclocked loop-through

CABLE LENGTH: 100 m (350') @ 1.5Gbps (Belden 1694A)

RETURN LOSS: >15 dB up to 1.5 GHz

OUTPUT

SIGNAL: Digital fixed GBR (DVI)

CONNECTOR: DVI-I, Female, compliant to DVI 1.0 pinout

DIGITAL FORMAT: DVI output format are compliant to EIA/CEA-861-B

GENERAL PERFORMANCE

PROCESSING DELAY: Min.: 107 μs
Max.: 50 ms

ELECTRICAL

VOLTAGE: 5 V
POWER: 5 W

* FOR A COMPLETE LISTING OF PROCESSING DELAY, PLEASE GO TO WWW.MIRANDA.COM/PICO-CHART/

Ordering Information

SDM-874p SD/HD Serial Digital Video to DVI Converter

Accessories

LKS-WSU
pL-Tray
pico-PA
Power Supply For 110 V or 220 V
picoLink Mounting Tray And Power Supply
12V to 5V Power Adaptor