

SDM-874p

HD/SD serial digital video to DVI converter

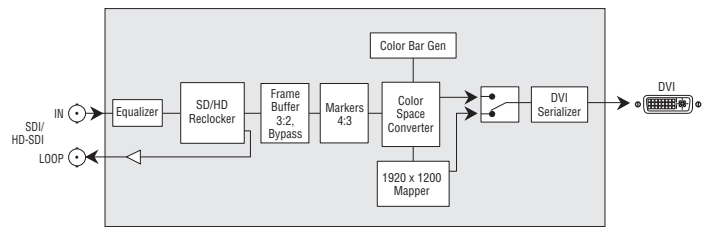


The SDM-874p is a miniature digital video interface converting HD/SD video signal to Digital RGB (DVI-HDTV). It provides automatic input scan rate detection and supports a wide variety of input formats (525i, 625i, 720p, 1080i, 1080p). The primary application is to convert SD/HD serial to Digital RGB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

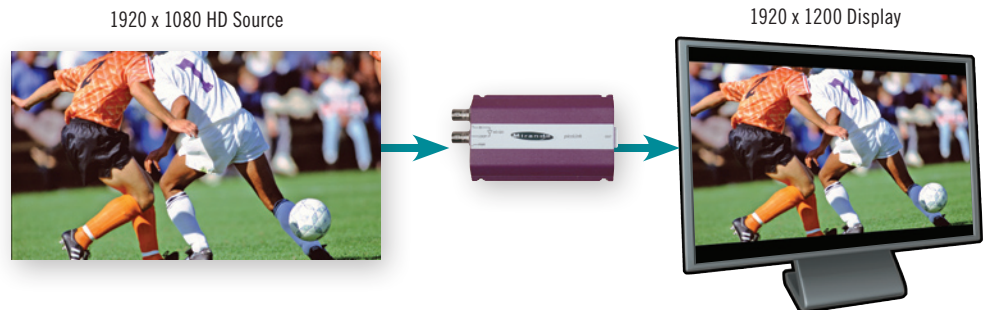
KEY FEATURES AND BENEFITS

- 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 1920x1200 Apple Cinema Display. The SDM-874p outputs "Letter Box" type 1920x1200 to preserve the HD aspect ratio.



TECHNICAL SPECIFICATIONS

INPUT	OUTPUT	GENERAL PERFORMANCE	ELECTRICAL
Signal: SMPTE 259M-C (270 Mbps)	Signal: Digital fixed GBR (DVI)	Processing delay: Min.: 107 μ s	Voltage: 5 VDC
Cable length: 100 m (350') @ 1.5 Gbps (Belden 1694A)	Connector: DVI-I, Female, compliant to DVI 1.0 pinout	Max.: 50 ms	Power: 5 W
Return loss: >15 dB up to 1.5 GHz	Digital format: DVI output format are compliant to EIA/CEA-861-B		For a complete listing of processing delay, please go to http://www.miranda.com/pico-chart/

ORDERING INFORMATION

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Accessories

- LKS-WSU Power supply for 110 V or 220 V
- pL-Tray 40 W rack mounted tray for up to 10 picoLinks
- pico-PA 12 V to 5 V power adaptor
- SDM-Power Cable SDM-873p/874p to pL-Tray power cable