

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

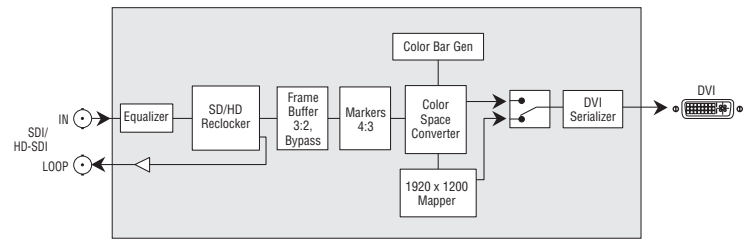


The SDM-874p is a miniature digital video interface converting HD/SD video signal to Digital RGB (DVI-HDTV). It provides automatic input scan rate detection and supports a wide variety of input formats (525i, 625i, 720p, 1080i, 1080p). The primary application is to convert SD/HD serial to Digital RGB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

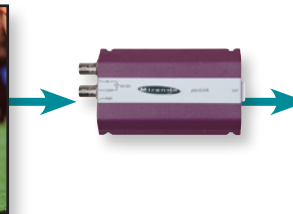
Key Features and Benefits

- ⊕ 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

1920 x 1080 HD Source



1920 x 1200 Display



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 (270 Mbps) and SMPTE 292M (1.485, 1.485/1.001 Gbps) with reclocked loop-through
CABLE LENGTH:	100 m (350') @ 1.5 Gbps (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 μ s
	Max.: 50 ms

ELECTRICAL

VOLTAGE:	5 VDC
POWER:	5 W

* FOR A COMPLETE LISTING OF PROCESSING DELAY, PLEASE GO TO 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