

SDM-873p

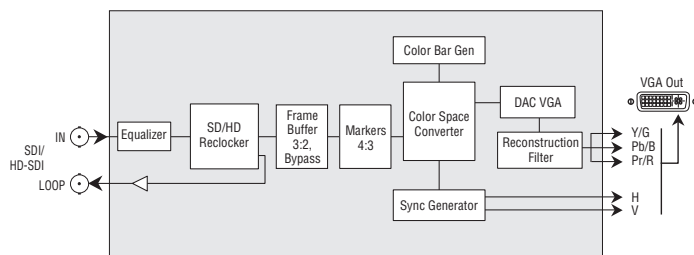
HD/SD serial digital video to CAV converter



The SDM-873p is a miniature digital video interface converting HD/SD video signal to CAV (YPbPr or RGB). 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 digital video to CAV for the purposes of feeding a VGA monitor and projector (CRT, LCD, Plasma, DLP, D-ILA etc). In order to support the emerging popularity of 24p equipment and display, the SDM-873p outputs CAV over a DVI-I connector with selectable 3:2 sequence insertion.

KEY FEATURES AND BENEFITS

- › SDI / HD-SDI video input with active loop-through
- › CAV output (YPbPr or RGB)
- › Supports 525i, 625i, 720p, 1080p, 1080i with automatic input scan rate detection
- › Supports direct output, p to PsF, PsF to p, 3:2 insert, Panasonic Varicam
- › Built-in test signal and 4:3 markers
- › Compact stand-alone package



SDM-873p Functional Block Diagram

TECHNICAL SPECIFICATIONS

INPUT	OUTPUT	GENERAL PERFORMANCE	ELECTRICAL
Signal: SMPTE 259M-C (270 Mbps) SMPTE 292M (1.485, 1.485/1.001 Gbps) with reclocked loop-through	Signal: Analog user selectable Y/Pb/Pr or GBR	Quantization: 10 bits	Voltage: 5 VDC
Cable length: 75 m (350') (Belden 1694A)	Connector: DVI-I, Female, compliant to DVI 1.0 pin out equivalent to VGA standard with DVI to VGA adapter	Processing delay (direct mode): HD: 1.06 μ s SD: 4.22 μ s	Power: 5 W
Return loss: >15 dB up to 1.5 GHz	Analog format: Auto select based on input signal		
	Sync out: User selectable: CS on all components or none (H/V activated)		
	H/V level: TTL Level		

ORDERING INFORMATION

SDM-873p SD/HD serial digital video to CAV converter

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