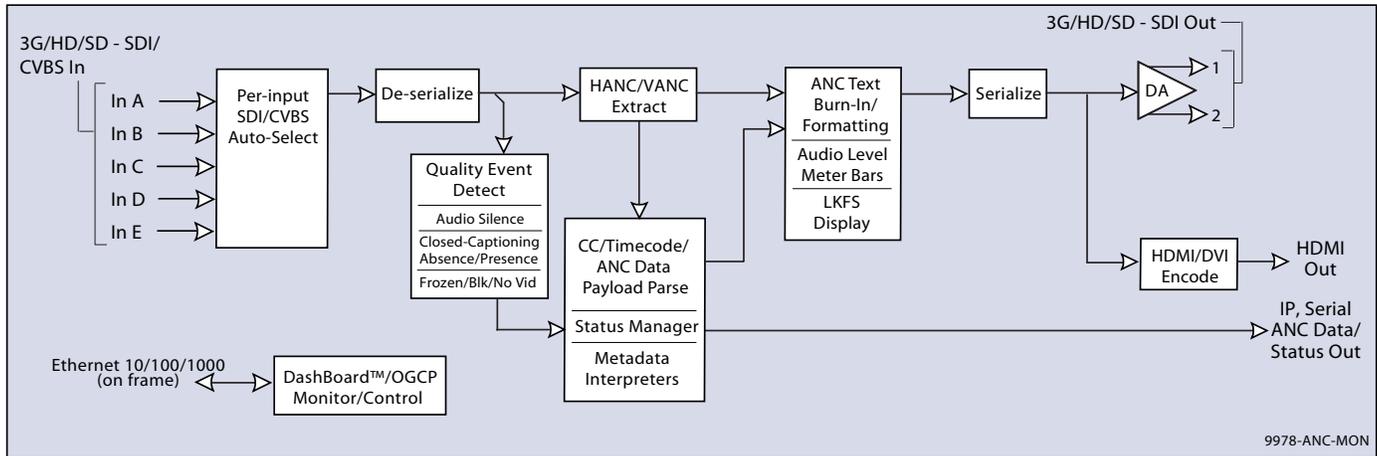
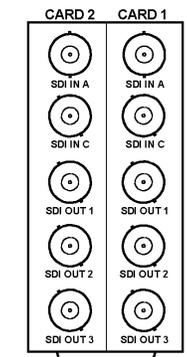




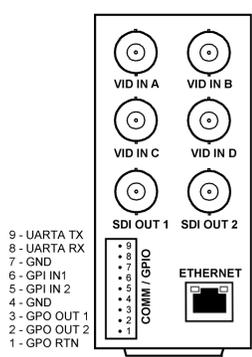
**9978-ANC-MON • 3G/HD/SD-SDI Ancillary Data Monitoring Probe with Multiple-Protocol Data Payload SDI/HDMI Display and Fault Detection/Forwarding**



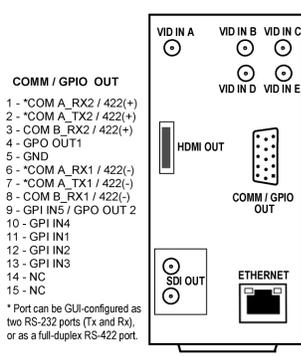
9978-ANC-MON



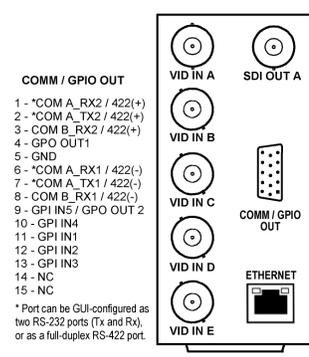
RM20-9978-AIS



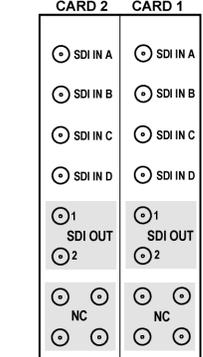
RM20-9978-B



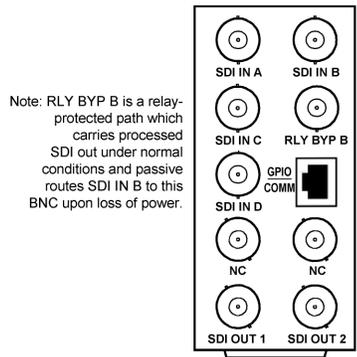
RM20-9978-C-DIN  
RM20-9978-C-HDBNC



RM20-9978-D

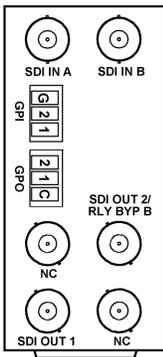


RM20-9978-GIS-DIN  
RM20-9978-GIS-HDBNC

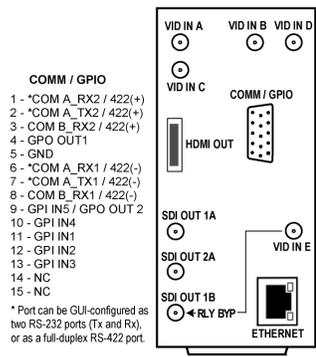


RM20-9978-E

Note: RLY BYP B is the card processed output which uses either input SDI IN A or SDI IN B. This output uses relay latching to retain selected routing in the event of power loss regardless of whether a selection was manually invoked or by a unit-detected failover (for example, if an auto-changeover from A to B was invoked while active, routing of input B to this output is retained in the event of power loss).



RM20-9978-F



RM20-9978-H-DIN  
RM20-9978-H-HDBNC

Note: Some rear module illustrations may show GPIO/COMM connections. These connections/functions are reserved and currently NC for this model.

# 9978-ANC-MON • 3G/HD/SD-SDI Ancillary Data Monitoring Probe with Multiple-Protocol Data Payload SDI/HDMI Display and Fault Detection/Forwarding

## SPECIFICATIONS

Note: Inputs/outputs are a function in some cases of rear I/O module used.

### Power

< 18 Watts

### Video Input/Outputs

Video Inputs: (5, max) 750 BNC; auto-detect/setup for 3G/HD/SD-SDI or CVBS

SDI Outputs: (4) 75Ω BNC (rear module determines number of outputs)

HDMI Output: (1) HDMI output with audio embedding

SDI Formats Supported: SMPTE 259M, SMPTE 292M, SMPTE 424M

SDI Receive Cable Length: 3G/HD/SD: 120/180/320 m (Belden 1694A)

SDI Return Loss: >15 dB up to 1.485 GHz; >10 dB up to 2.970 GHz

## ORDERING INFORMATION

**9978-ANC-MON** 3G/HD/SD-SDI Ancillary Data Monitoring Probe with Multiple-Protocol Data Payload SDI/HDMI Display and Fault Detection/Forwarding

**RM20-9978-A/S** 20-Slot Frame Rear I/O Module (Split; supports 2 cards) (2) 3G/HD/SD-SDI Input BNCs, (3) 3G/HD/SD-SDI Processed or Reclocked Output BNCs (connections are per each Card 1 / Card 2 connector bank)

**RM20-9978-B** 20-Slot Frame Rear I/O Module (Standard Width) (4) 3G/HD-SD-SDI Input BNCs, (2) 3G/HD/SD-SDI Output BNCs, Ethernet Port

**RM20-9978-C-DIN** 20-Slot Frame Rear I/O Module (Standard Width) (5) 3G/HD-SD-SDI/CVBS Inputs, (2) 3G/HD/SD-SDI Outputs, HDMI Output, Ethernet Port (all coaxial connectors DIN 1.0/2.3)

**RM20-9978-C-HDBNC** 20-Slot Frame Rear I/O Module (Standard Width) (5) 3G/HD-SD-SDI/CVBS Inputs, (2) 3G/HD/SD-SDI Outputs, HDMI Output, Ethernet Port (all coaxial connectors HD-BNC)

**RM20-9978-D** 20-Slot Frame Rear I/O Module (Standard Width) (5) 3G/HD-SD-SDI/CVBS Input BNCs, (1) 3G/HD/SD-SDI Output BNC, Ethernet Port

**RM20-9978-E** 20-Slot Frame Rear I/O Module (Standard Width) (4) 3G/HD/SD-SDI Input BNCs, (2) 3G/HD/SD-SDI Output BNCs, (1) 3G/HD/SDI Output BNC (with relay bypass failover)

**RM20-9978-F** 20-Slot Frame Rear I/O Module (Standard Width) (2) 3G/HD/SD-SDI Input BNCs, (1) 3G/HD/SD-SDI Processed Out BNC w/ Latching Input Select/Bypass, (1) 3G/HD/SD-SDI Processed Output BNC

**RM20-9978-G/S-DIN** 20-Slot Frame Rear I/O Module (Split; supports 2 cards) (4) 3G/HD/SD-SDI Inputs, (2) 3G/HD/SD-SDI Outputs (Connections are per each Card 1 / Card 2 connector bank; all coaxial connectors DIN1.0/2.3)

**RM20-9978-G/S-HDBNC** 20-Slot Frame Rear I/O Module (Split; supports 2 cards) (4) 3G/HD/SD-SDI Inputs, (2) 3G/HD/SD-SDI Outputs (Connections are per each Card 1 / Card 2 connector bank; all coaxial connectors HD-BNC)

**RM20-9978-H-DIN** 20-Slot Frame Rear I/O Module (Standard Width) (5) 3G/HD-SD-SDI/CVBS Inputs, (2) 3G/HD/SD-SDI Outputs, (1) 3G/HD/SD-SDI Output with Relay Bypass Protect, HDMI Output, Ethernet Port (all coaxial connectors DIN 1.0/2.3)

**RM20-9978-H-HDBNC** 20-Slot Frame Rear I/O Module (Standard Width) (5) 3G/HD-SD-SDI/CVBS Inputs, (2) 3G/HD/SD-SDI Outputs, (1) 3G/HD/SD-SDI Output with Relay Bypass Protect, HDMI Output, Ethernet Port (all coaxial connectors HD-BNC)