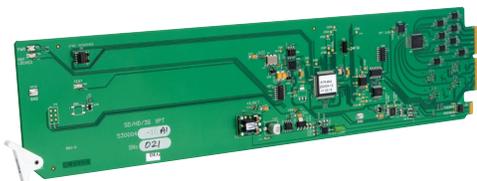# 9284)) VIDEO ROUTING SWITCHER
3G/HD/SD-SDI 8x4 Video Routing Switch

The 9284 provides card-based solutions for SDI routing. Utilizing the openGear® open-architecture platform, the card offers scalable incorporation and the easy-to-use DashBoard™ setup and control operator interface. The video routing switch accepts up to eight SDI inputs and routes these inputs to up to four SDI outputs using DashBoard™ network remote control or generic serial-based command string protocol. All inputs are equipped with cable equalizers (which can be enabled or disabled as desired). All outputs are equipped with reclocking, which can independently be set for auto reclock, format-specific reclock, or reclock turned off. Source-to-destination routing is non-inverting, thereby allowing these cards to pass DVB-ASI signals.

The card switches on the correct line in the vertical blanking interval if a video reference is present at one of the two reference inputs on the rear of the openGear frame. Full user remote and card-edge monitor/control allows full card status and control access locally or across a standard Ethernet network.

)) FEATURES

Card-based design allows scalability, from 1 to 5 cards per frame

Switching done on selected VBI line, allowing no visible artifacts during active video
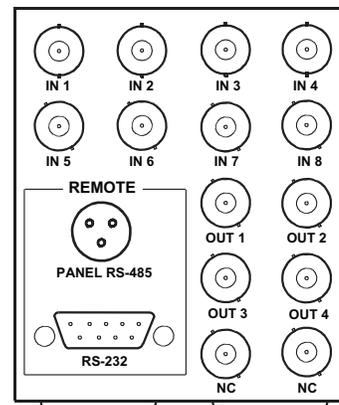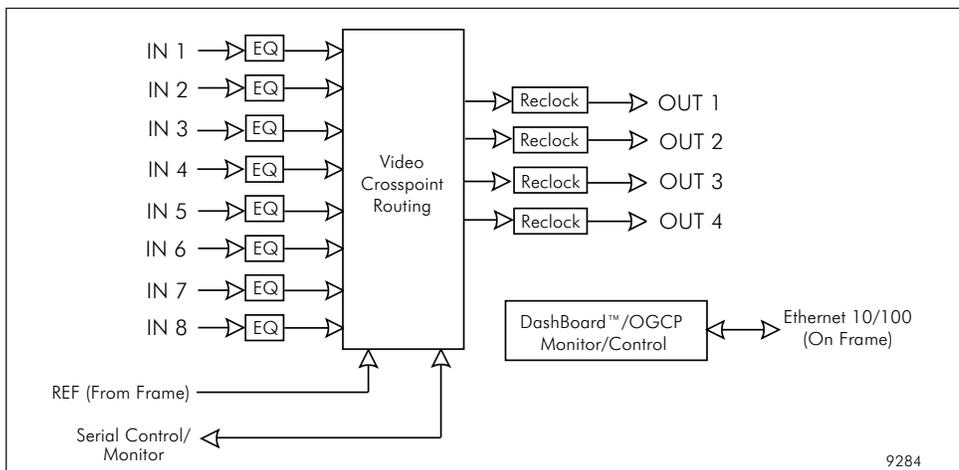
Low power/high-density design; <10 Watts per card

DVB-ASI compliant

User-defined salvos allow single-button launch of switching

Remote control/monitoring via DashBoard software or OGCP-9000 remote control panel and/or via RS-232 serial control Command String Protocol.

Five year warranty

9284

RM20-9284-D

)) SPECIFICATIONS

Electrical
Power: 10 watts

3G/HD/SD-SDI Inputs
Number of inputs: 8
Standards: 3G-SDI (SMPTE 424M)
            HD-SDI (SMPTE 292M)
            SD-SDI (SMPTE 259M)
Impedance: 75
Equalization (3G, HD):   328 ft (100 m) Belden 1694A for SMPTE 292-2008, 424M-2006
Equalization (SD):   1000 ft (305 m) Belden 1694A for SMPTE 259M-2008
Return Loss: > 15 dB at 5 MHz – 1.485 GHz
                > 10 dB at 1.5 GHz – 3.0 GHz

SDI Outputs
Number of Outputs: 2, 75 BNC (9282)
                4, 75 BNC (9284)

Reference Video Input
Number of Inputs: Two non-terminating (looping) Frame Reference inputs
Standards Supported (HD):   720p 24; 25; 29.97; 30; 50; 59.94 1080i 25; 29.97
                    1080p 23.98; 24; 25; 29.97; 30; 50; 59.94 1080p/sF 23.98; 24
Standards Supported (SD):   486i 29.97 (NTSC)
                575i 25 (PAL)
Signal Level: 1 Vp-p nominal
Signal Type: Analog video sync (black burst or tri-level)
Impedance: 75

)) ORDERING INFORMATION

9284 3G/HD/SD-SDI 8x4 Video Routing Switch

RM20-9284-D 20-Slot Frame Rear I/O Module (Double Width) 8 SDI BNC Inputs, 4 SDI BNC Outputs, RS-485, RS-232/422 Serial Control Connectors