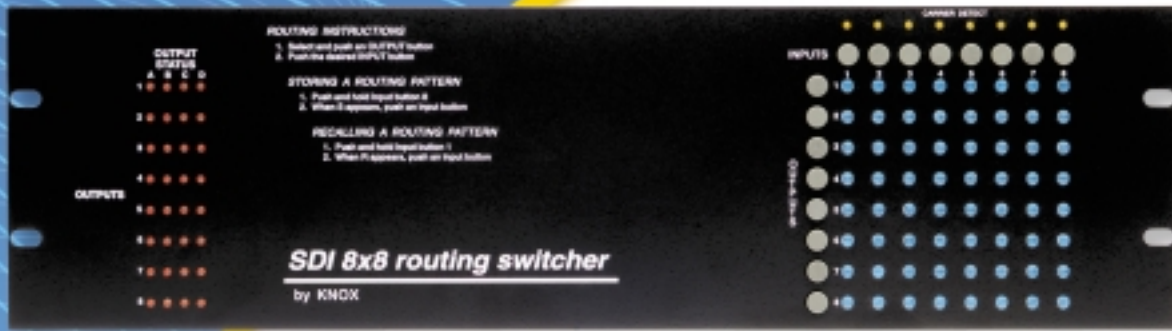


# SDI 8x8

## Serial Digital Interface Routing Switcher



### Features

- Input equalization
- Reclock to 1 of 4 data rates
- 8 or 10-bit SDI
- SMPTE 259M, ITU601, D1, D2, D3
- RS232 control
- Full LED display
- Store/Recall pre-set patterns
- Non-volatile memory

### Applications

- Broadcast
- Production
- Duplication
- Work Stations

The SDI 8x8 matrix routing switcher accepts and reclocks 8 or 10-bit serial digital video with or without embedded audio as standard data rates. Housed in the Knox ultra-thin profile chassis, these SDI routers are compatible with various SDI standards including ITU601, SMPTE 259M, D1, D2, and D3 at data rates of 143, 177, 270 and 360Mbps with input equalization in excess of 200 meters.

SDI routing switchers are controlled from either the front panel pushbuttons or via the RS232 port. Front panel LEDs confirm valid data locking at all times. Each valid SDI input signal is indicated by an "Input Carrier Detect" LED. For each output with a valid input signal, one of four data rates is indicated by another LED. Crosspoint patterns may be stored for later recall. All current and stored patterns are backed up in non-volatile memory.



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# SDI 8x8

## Serial Digital Interface Routing Switcher



### **Technical Specifications**

- |                            |                                   |                      |  |
|----------------------------|-----------------------------------|----------------------|--|
| • Inputs:                  | 8 serial digital                  | • Output level:      | 800mv p-p nominal  |
| • Outputs:                 | 8 serial digital                  | • Connectors:        | Video: (16) BNC<br>R S232: DB9F  |
| • Standards:               | SMPTE 259M, ITU601,<br>D1, D2, D3 | • Controls:          | 16 front panel pushbuttons;<br>one rear panel dipswitch                                |
| • Data rates:              | 143, 177, 270 and 360Mbps         | • Indicators:        | 64 crosspoint array LEDs;<br>8 lock indicator LEDs;<br>32 output status indicator LEDs |
| • Resolution:              | 8 or 10-bit serial digital        | • Power Consumption: | 15 vdc, 2.5A nominal;  |
| • Input Equalization:      | >200m                             | • Power Connector:   | 5mm/2mm coaxial  |
| • Output Relocking Jitter: | < 500 ps p-p                      | • Dimensions:        | 19"w x 5.25"h x 2"d  |
| • Input return loss:       | > 15 db@270Mbps                   | • Shipping weight:   | 8 pounds   |
| • Output return loss:      | > 15 db@270Mbps                   |                      |  |
| • Input Impedence:         | > 75 ohm                          |                      |  |
| • Input level:             | 800mv p-p nominal                 |                      |  |
| • Output Impedence:        | 75 ohm                            |                      |  |



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8547 GROVEMONT CIRCLE  
GAITHERSBURG, MD 20877  
TEL: 301 840 5805  
FAX: 301 840 2946