

# Sublime digital video

## 3G-SDI router with control panel and redundant system controller support



The Sublime digital video range is a router series supporting 3G/HD/SD-SDI and DVB-ASI, providing reclocking to all its outputs. An XY control panel makes this router series ideal for small studio applications.

VikinX Sublime is ideal for general purpose facilities, on-air routing, mobile outside broadcast applications and sophisticated A/V applications. By providing critical third-party control interfaces through third-party management software Sublime enables the utilization of existing routers and management systems from other manufacturers and maintains the advantages of implementing VikinX Sublime in routing applications. With the ultra-slim, multi-format and flexible product range, Sublime fulfils the most demanding requirements from the professional broadcast market.

## Key features

- Router range from 8x8 to 128x128
- Supporting 3G/HD/SD-SDI and DVB-ASI
- Software based Configurator for easy system set-up
- TCP/IP, RS232 and NCB control (RJ45)
- Embedded control panel
- Ultra slim frame depth
- Low power, high reliability design
- Redundant power supply system
- Interoperability with existing VikinX routers
- Future proof and flexible product range
- All outputs are reclocked



### Ordering options without control panels

12467 SL-3GHD0808	8x8 3G-SDI 1RU router with redundant system controller support
12487 SL-3GHD1602	16x02 3G-SDI 1RU router with redundant system controller support
12507 SL-3GHD1616	16x16 3G-SDI 1RU router with redundant system controller support
17114 SL-3GHD3232	32x32 3G-SDI 2RU router with redundant system controller support
17118 SL-3GHD6464	64x64 3G-SDI 4RU router with redundant system controller support
19944 SL-3GHD128128-RC	128x128 3G-SDI 8RU router with redundant system controller support

### Ordering options with control panels

12468 SL-3GHD0808-CP	8x8 3G-SDI 1RU router with control panel and redundant system controller support
12488 SL-3GHD1602-CP	16x02 3G-SDI 1RU router with control panel and redundant system controller support
12508 SL-3GHD1616-CP	16x16 3G-SDI 1RU router with control panel and redundant system controller support
17116 SL-3GHD3232-CP	32x32 3G-SDI 2RU router with control panel and redundant system controller support
17120 SL-3GHD6464-CP	64x64 3G-SDI 4RU router with control panel and redundant system controller support

Also available in HD-SDI non-reclocking versions and SD-SDI only version. Single PSU included. Contact your partner/factory for ordering information.

SL-3GHD0808/SL-3GHD0808-CP

8x8 3G-SDI router



Dimensions  
483x44x50mm (19", 1RU)

Also available in these  
non-square variants

SL-3GHD1602/SL-3GHD1602-CP

16x2 3G-SDI router



Dimensions  
483x44x50mm (19", 1RU)

Also available in these  
non-square variants

SL-3GHD1616/SL-3GHD1616-CP

16x16 3G-SDI router



Dimensions  
483x44x50mm (19", 1RU)

Also available in non-  
square variants

SL-3GHD3232/SL-3GHD3232-CP

32x32 3G-SDI router

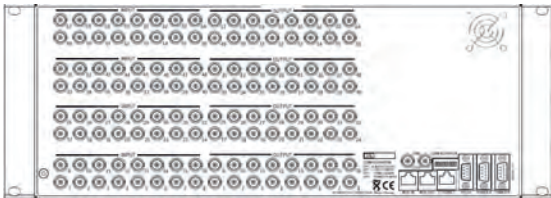


Dimensions  
483x88x50mm (19", 2RU)

Also available in non-  
square variants

SL-3GHD6464/SL-3GHD6464-CP

64x64 3G-SDI router

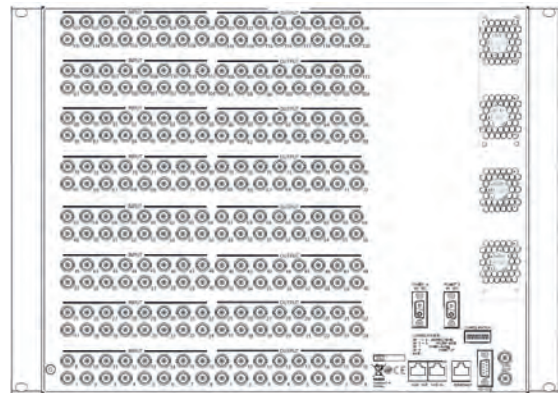


Dimensions  
483x176 50mm (19", 4RU)

Also available in non-  
square variants

SL-3GHD128128-RC/SL-3GHD128128-CP

128x128 3G-SDI router



Dimensions  
483x355 50mm (19", 8RU)

Also available in non-  
square variants

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### Power supply

SL-PWR-40	40W power supply unit for 8x8 – 32x32 versions
SL-PWR-90	90W power supply unit for 64x64 versions
SL-PWR-300	300W power supply unit for 128x128 version

See specs for power supplies in the Sublime accessories section.

### Control

Serial port:	RS232 for protocol conversion, to VikinX compact control protocol, or to third-party protocols
Connector	DE9, D-sub 9-pin female
NCB ports	For integration with VikinX compact router configuration
Ethernet port	10/100 Base-T Ethernet bus for external router control
Connector	RJ45
Optional features	
Control panel	Optional, built-in control panel available

### Supported protocols

MRP (IP), NCB Compact (serial), NCB Sublime (serial), GVG/Thomson Native (IP), Leitch PassThru (IP and serial), Triton (serial)

### Supported formats

Signal type	270Mbps – 2.97Gbps 2K, 2048x1556/23.98 and 24
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### Supported standards

SD-SDI, 270Mbps	SMPTE-259M
HD-SDI, 1.485Gbps	SMPTE-292-2008
3G-SDI, 2.97Gbps	SMPTE-424M
DVB-ASI	EN50083-9

### Electrical signal inputs

Connector	BNC, 75 Ohm
Cable equalization Reclocking routers	Automatic up to 70m (@ 2.97Gbps, typical Belden 1694A Automatic up to 100m @ 1.485Gbps, typical Belden 1694A
Cable equalization Non-reclocking routers	Automatic up to 25m (@1.485Gbps, typical Belden 1694A

### Electrical signal outputs

Connector	BNC, 75 Ohm
Signal level	800mVp-p ±10%
Signal polarity	Non-inverting

### Reference inputs

Number of inputs	1
Connector	75 Ohm BNC female, loop-thru
Return loss	>40dB (100 kHz – 5 MHz) >35dB (5 – 10 MHz)
Signal format	NTSC or PAL Black&Burst or HD Tri-Level according to SMPTE-274M, SMPTE 276M
Signal level	Nominal 1.0Vp-p
Field selectivity	Field 1
Timing range	SD, PAL: within clock-intervals (27MHz) 565 – 835 line 6 SD, NTSC: within clock-intervals (27MHz) 565 – 835 line 10 HD Tri-Level: 1280x720: within clock-intervals (148.5MHz) 455 – 780 line 7 HD Tri-Level: 1920x1080: within clock-intervals (148.5MHz) 625 – 1070 line 7