

# Sublime analog video

## Compact analog video with control panel routers

Nevion's Sublime analog video routers are low power, high reliability products providing high signal quality for professional broadcast analog video routing applications. As with all Sublime routers the audio routers are controllable through Ethernet—RS232 or NCB—fitting it into most analog video routing applications. Its extensive third-party support together with high configurability ensures easy integration with already existing larger routing systems.



### Ordering options without control panels

12451 SL-V0808	8x8 analog video 1RU router
12472 SL-V1602	16x2 analog video 1RU router
12491 SL-V1616	16x16 analog video 1RU router
16725 SL-V3232	32x32 analog video 2RU router
16733 SL-V6464	64x64 analog video 4RU router

### Ordering options with control panels

12452 SL-V0808-CP	8x8 analog video 1RU router with control panel
17990 SL-V1602-CP	16x2 analog video 1RU router with control panel
12492 SL-V1616-CP	16x16 analog video 1RU router with control panel
16726 SL-V3232-CP	32x32 analog video 2RU router with control panel
16734 SL-V6464-CP	64x64 analog video 4RU router with control panel

## Key features

- Ranging from 8x8 in 1RU to 64x64 in 4RU
- Partitioning (for square routers only)
- SL-V1602: expandable up to 64x2
- Embedded XY control panel
- Control via IP/Ethernet, RS232, NCB
- 5cm (2in) frame depth allowing front and rear rack mount
- Ultra-low power high-reliability design
- Redundant power supplies (brick or frame) with front indicators
- Interoperability with VikinX Modular range of routers
- Can also be used for SD-SDI, DVB-ASI and AES-3id signals



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SL-V0808/SL-V0808-CP

8x8 analog video router



Dimensions  
483x44x50mm (19", 1RU)

SL-V1602/SL-V1602-CP

16x2 analog video router



Dimensions  
483x44x50mm (19", 1RU)

SL-V1616/SL-V1616-CP

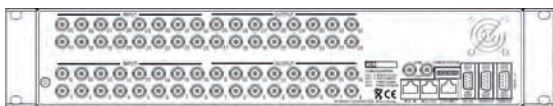
16x16 analog video router



Dimensions  
483x44x50mm (19", 1RU)

SL-V3232/SL-V3232-CP

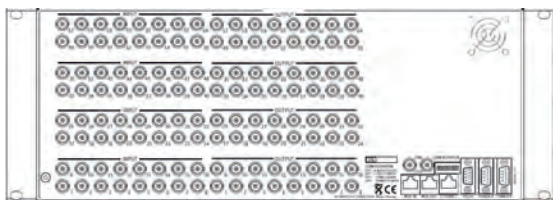
32x32 analog video router



Dimensions  
483x88x50mm (19", 2RU)

SL-V6464/SL-V6464-CP

64x64 analog video router



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

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## Compact analog video with control panel routers

### Power supply

SL-PWR-40	40W Power supply unit for 8x8 – 32x32 versions
SL-PWR-90	90W Power supply unit for 64x64 versions

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
Connectors	2x RJ45 (1 in/1 out)
Ethernet port	10/100 Base-T Ethernet bus for external router control
Connector	RJ45
Optional features	
Control panel	Optional, built-in control panel available External control panels 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	Composite analog video, PAL and NTSC Composite analog video, SECAM Analog RGB and Analog YCrCb (SD-SDI, DVB-ASI, AES3-id)
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### Electrical signal specifications

Frequency response	100kHz – 5MHz: +0/-0.1dB 100kHz – 30MHz: ±0.5dB 0Hz – 125MHz: +0.5/-3dB
Return loss	> 40dB @5.5MHz, 75 Ohm BNC > 35dB @10MHz.
Output DC offset error	< 15mV DC
Gain	0dB ±0.1dB
Crosstalk	< -60dB up to 5MHz
Differential gain	< 0.1%, for routers up to 16x16 < 0.2%, for 32x32 and 64x64 routers
Differential phase	< 0.1°, for routers up to 16x16 < 0.2°, for 32x32 and 64x64 routers
Bar tilt	< 0.1%
Lum. Non-linearity	< 0.1%, for routers up to 16x16 < 0.2%, for 32x32 and 64x64 routers
Video S/N	> 70dB, unweighted
Max. signal level	> 2Vpp
Delay difference, any input to one output	< ±1nsec
Connector	BNC, 75 Ohm
Impedance	75 Ohm nominal

### 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
Signal level	Nominal 1.0Vp-p
Field selectivity	Field 1
Timing range	PAL: 30us ±5us after hsync in line 6 NTSC: 30us ±5us after hsync in line 10