

Analog Video Router Series

Key Features

- Compact size
- Wide band router with 230MHz bandwidth
- Suitable for NTSC, PAL, RGB, YUV, bi-level and tri-level reference routing
- Supports standard definition, high-definition and wide band display signals
- 16x4, 16x16, 32x32 fixed sizes
- Excellent performance and specifications
- Low power consumption
- Integrated NK Series Control
- Universal power supply included
- Optional redundant power
- 5-year transferable warranty



NK-V164-HQ



NK-V16-HQ



NK-V32-HQ

Technical Specifications

	NK-V164-HQ	NK-V16-HQ	NK-V32-HQ
INPUTS			
Connection	75Ω BNC	75Ω BNC	75Ω BNC
Total # of Inputs	16	16	32
Nominal Input Level	1 V p-p	1 V p-p	1 V p-p
Maximum Input Level	2 V p-p	2 V p-p	2 V p-p
Clamping Method	AC coupled with sync-tip clamping		
Clamping DC Adjustment	between blanking = 0 V and sync-tip = 0V		
Return Loss	44dB	44dB	44dB
OUTPUTS			
Connection	75Ω BNC	75Ω BNC	75Ω BNC
Total # of Outputs	4	16	32
Level	1 V p-p	1 V p-p	1 V p-p
Coupling	DC coupled	DC coupled	DC coupled
Return Loss	30dB	30dB	30dB
PERFORMANCE			
Differential Gain	0.05%	0.05%	0.05%
Differential Phase	0.05°	0.05°	0.05°
Frequency Response	30MHz, ±0.1dB 60MHz, ±1dB 230MHz, -3dB	30MHz, ±0.1dB 60MHz, ±1dB 230MHz, -3dB	<30MHz, ±0.1dB 60MHz, ±1dB 230MHz, -3dB
Noise	-76dB peak	-76dB peak	-76dB peak
Crosstalk	-60dB, 5MHz	-60dB, 5MHz	-60dB, 5MHz
Transmit Time	2ns	2ns	2ns
Timing Scatter	0.5° Fsc	0.5° Fsc	0.5° Fsc
GENERAL			
Partitioning	up to 8 partitions with independent level assignment		
Configuration	web browser or comprehensive via DashBoard Control System configuration via NK-IPS		
Dimensions	1RU, depth 6.4cm	1RU, depth 6.4cm	2RU, depth 6.4cm
Power Consumption	12W	12W	26W
Power Supply	±15 V DC	±15 V DC	±15 V DC

Specifications subject to change without prior notice.

Ordering Information

NK-V Routers

NK-V164-HQ	16x4 Analog Video Router
NK-V16-HQ	16x16 Analog Video Router
NK-V32-HQ	32x32 Analog Video Router

NK-V Rack Mount Redundant Power

NK-RP1/PN	Rack Mount, 1RU, 100W, ±15V Redundant Power Supply
NK-D12/PN	NK-RP1/PN Power Supply Cable for NK-V164-HQ, NK-V16-HQ & NK-V32-HQ

NK-V External Redundant Power

NK-PN1	Spare or Redundant, 50W, ±15V External Power Supply*
NK-DRY	Y Cable for two NK-PN1 External Power Supplies

*For more information on the rack mount power supply system, please see page 216