

NK-3G Utility Series **3G** **HD** **SD**

3G / HD / SD SDI Utility Routers

Key Features

- Compact size
- Data rates 143Mb/s to 3Gb/s
- Cable equalizing inputs
- Accepts 3G / HD / SD SDI and DVB-ASI
- Supports SMPTE standards 259M, 292M, 344M, and 424M
- Reclocking outputs
- 16x4, 16x16, 34x34 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-3G164



NK-3G16



NK-3G34

Technical Specifications

	NK-3G164	NK-3G16	NK-3G34
INPUTS			
Connection	75Ω BNC	75Ω BNC	75Ω BNC
Total # of Inputs	16	16	34
Return Loss	>15dB 5MHz to 1.5 GHz	>15dB 5MHz to 1.5 GHz	>10dB 1.5GHz to 1.5 GHz
Cable EQ	up to 100m Belden 1694 or equivalent	up to 100m Belden 1694 or equivalent	up to 100m Belden 1694 or equivalent
OUTPUTS			
Connection	75Ω BNC	75Ω BNC	75Ω BNC
Total # of Outputs	4	16	34
Clocking	automatic reclock at SMPTE 259M, 292M, 344M, 424M & DVB-ASI	automatic reclock at SMPTE 259M, 292M, 344M, 424M & DVB-ASI	automatic reclock at SMPTE 259M, 292M, 344M, 424M & DVB-ASI
Level	800mV p-p ±10%	800mV p-p ±10%	800mV p-p ±10%
Return Loss	15dB 5MHz to 1.5 GHz	15dB 5MHz to 1.5 GHz	10dB 1.5GHz to 1.5 GHz
PERFORMANCE			
Jitter	<0.2 UI additive	<0.2 UI additive	<0.2 UI additive
Data Rates	143Mb/s to 3Gb/s	143Mb/s to 3Gb/s	143Mb/s to 3Gb/s
Overshoot	<10%	<10%	<10%
Rise Time	automatic at SMPTE 259M, 259M, 292M, 344M, 424M & DVB-ASI	automatic at SMPTE 259M, 259M, 292M, 344M, 424M & DVB-ASI	automatic at SMPTE 259M, 259M, 292M, 344M, 424M & DVB-ASI
GENERAL			
Partitioning	up to 8 partitions with independent level assignment		
Configuration	web browser via NK-IPS, DashBoard Control System via NK-IPS		
Dimensions	1RU, depth 6.4cm	1RU, depth 6.4cm	2RU, depth 6.4cm
Power Consumption	16W	16W	30W
Power Supply	+15 V DC	+15 V DC	+15 V DC

Specifications subject to change without prior notice.

Ordering Information

NK-3G164, NK-3G16 & NK-3G34 Routers

NK-3G164	16x4 3G / HD / SD SDI Router
NK-3G16	16x16 3G / HD / SD SDI Router
NK-3G34	34x34 3G / HD / SD SDI Router

NK-3G164, NK-3G16 & NK-3G34 Rack Mount Redundant Power

NK-RP1/P	Rack Mount, 1RU, 100W, +15V Redundant Power Supply
NK-D12/PN	NK-RP1/P Power Supply Cable for NK-3G164, NK-3G16 & NK-3G34

NK-3G164, NK-3G16 & NK-3G34 External Redundant Power

NK-P1	Spare or Redundant, 50W, +15V External Power Supply*
NK-DRY	Y Cable for two NK-P1 External Power Supplies

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