

16x48 BNC DISTRIBUTION AMPLIFIER with SIGNAL CONDITION MONITORING

KRDA16X48V *BNC Video Distribution Amplifier*

Features

- 16-channel BNC inputs and 48 BNC outputs for a 3-output per channel distribution system
- Full-motion, color or monochrome composite (CCTV) video
- High common mode rejection differential amplifier
- Ground loop (hum-bar) blocking
- Built-in transient (surge) protection including ESD events
- Wide range of power options (PSU not included)
- Under-voltage lockout
- Includes one LED per channel for video status monitoring (video present (blue), absent (red) or weak signal (purple))
- Green LED unit power indicator
- 2-U high and 3.5 inches deep, standard 19 inch module arrives rack mount ready (ears on)
- High-resolution output (22MHz bandwidth) - Ideally suited for exacting Digital Video Recorders
- Designed and manufactured in the USA with industrial grade components



Overview

The Kenrik KRDA16X48V is a high-resolution video BNC distribution amplifier with signal condition monitoring. Each of the 16 BNC video input signals are buffered to ensure all three corresponding BNC video outputs are of equal strength and quality. Unused outputs are self-terminating. All video connections use high-quality BNC connectors and accepts full motion color or monochrome composite video. This DA arrives rack-mount ready (ears on) to fit in a standard 19 inch rack at (2U) 3.5 inches high and 3.5 inches deep.

This Distribution Amplifier can be powered with a wide range of AC transformers or DC power sources (from 10.5 to 24VAC, 10VA or 10.5 to 40VDC, 10W) (PSU not included). With isolated power, surge protection and under-voltage lockout, this unit has been built to be both flexible and durable to accommodate nearly any system design.

The front panel of the KRDA16X48V includes one (green) LED unit power indicator, and 16 LEDs for video signal monitoring. Each of the 16 video input signals are monitored to identify whether the video is present (blue), absent (red) or when the video signal is weak (purple) (.25V to .5V).

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Video

Video Format	NTSC, PAL, SECAM
Frequency Response	2 Hz to 22 MHz
Common Mode Rejection	60db at power line frequency (50/60Hz)
Signal to noise ratio	70db
Common Mode Range	2 Vp-p
Gain Fixed	1.00+1-5%
Impedance (Nominal)	75.0 Ohm

Power

Range of Power Input	10.5 to 24 VAC, 50/60 Hz, 10 VA max. or 10.5 to 40 VDC at 10 Watts DC max. (PSU not included)
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Environmental

Humidity	10 to 85%, non-condensing
Temperature	Operating: 0C to +60C (0 to 140F)
Warranty	Three year

Mechanical

Dimensions	16.0x1.75x10.5 Inches, 40.6x4.4x26.7 cm (HxWxL)
Unit Weight	2.74 Lb, (1.24kg)
Material	Industrial grade aluminum
Power Connector	Detachable 3-Pin plug to an external power supply
Ground	Earth ground 6/32 screw
Video Inputs	(16) Female BNC Connectors for 75-Ohm Coax
Video outputs	(48) Female BNC Connectors to 75-Ohm Coax
Unit Power Indicator	Green LED
Video Status Indicator	One LED per input channel. Video present (blue), absent (red), or weak (.25V to .5V) (purple)

Ordering Information

PART # **KRDA16X48V** Description: 16-Ch Distribution Amplifier with signal condition monitoring

*Specifications subject to change without notice.

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