

PRODUCT SPECIFICATION

DOCUMENT NUMBER	MODEL
RK400	RK400 Modular Card Cage for 19" rack cabinet; For Powered Twisted Pair video systems
REVISION NUMBER	
072904	

Description

The RK400 card cage holds up to 10 modular cards. A wide variety of modular cards allow the rack system to be customized to the specific application. (Modular Cards are sold separately).

Modular cards available include video transmission up to 12,000 ft and RS422 distribution amplifiers. In addition to providing system customization, the "plug-in" feature of the Modular Card Cage also provides easy future expansion and serviceability.

The RK400 card cage is a powered cabinet that holds 10 plug-in modules in any combination. It is intended for systems requiring active (powered) and/or passive (non-powered) receivers.

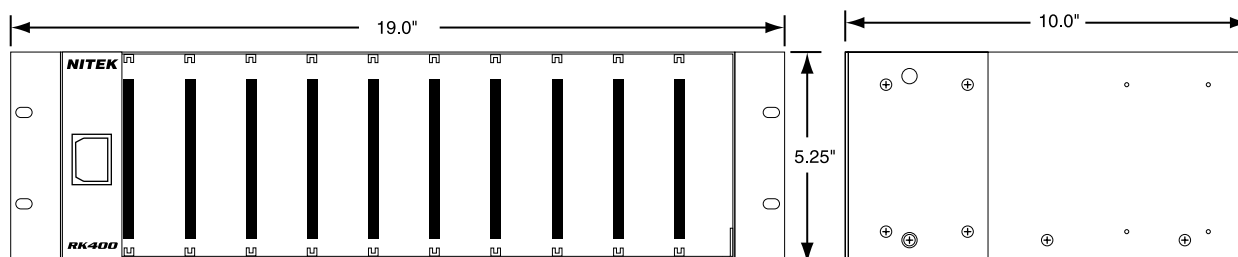
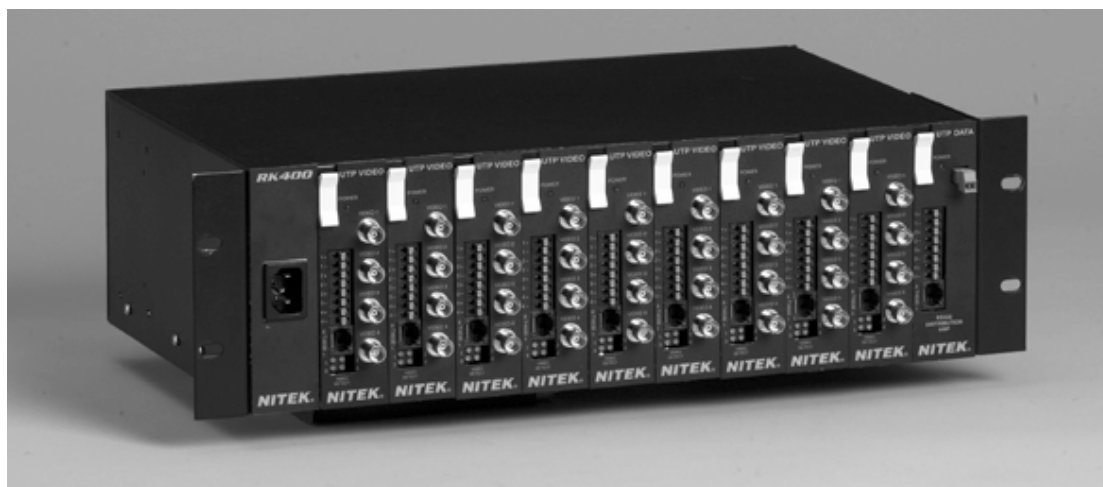
The RK400 has reversible/removable mounting brackets so it can be either mounted from the front or the back of the rack or left off entirely for desktop operation.

Features

- Flexible - a single rack holds any combination of the NITEK Modular Rack cards
- High Density - Up to 40 video inputs per Modular Card Cage
- Expandable - Start with only the Modules required and add more Modules later.
- Allows for easy expansion of future cameras
- Removable mounting brackets to make it rack mount or desk mount
- Easy to install - fits standard 19" rack cabinet



RK400



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TECHNICAL SPECIFICATION

System

Size	5.25"H x 19.0"W x 10.0"D
Capacity	10 Modular Cards (Cards sold separately)
Power Requirements	120VAC @ 1/2 Amp

Ordering Information

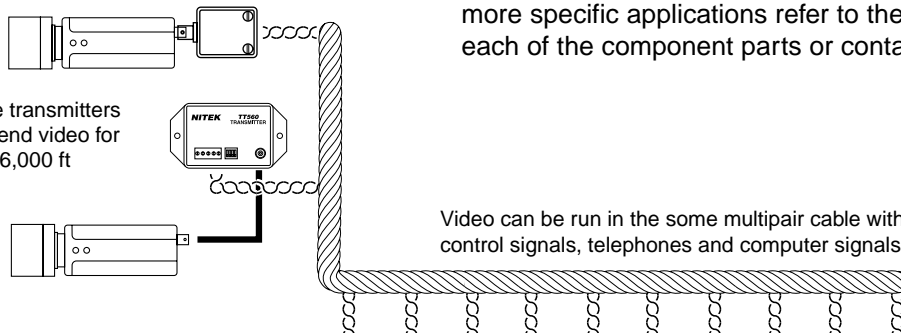
PART	DESCRIPTION
RK400	<i>Fused, 120VAC powered, for use with any Modular Card</i>

Available Modular Cards

Part	Description	UTP Cable Distance (ft)	Inputs/ Card	Notes
VB41x4	Video Transceiver Balun Card	up to 1,000	4	Operates with any of the following Balun Transmitters - VB37F, VB37M, VB39F, VB39M, VB41x4, or VH1639 (order separately)
TR515x4	Video Active Receiver Card	100 to 1,500	4	
TR560x4	Video Active Receiver Card	100 to 3,000	4	
TS515x4	UTP Video Transmission System	100 to 1,500	4	Includes (4) VB37F Balun Transmitters
TS560x4	UTP Video Transmission System	100 to 3,000	4	Includes (4) VB37F Balun Transmitters
EX560x4	UTP Video Transmission System	500 to 6,000	4	Includes (4) TT560 Active Transmitters
EX1120RR	UTP Video Transmission System	1,000 to 12,000	1	Includes (1) EX1120 Active Transmitter
DA422	RS422 Signal Distributor	up to 6,000	4	Maximum of (4) cards / RK400
BP40	Blank Panel for RK400	n/a	n/a	Blank cover for one card slot

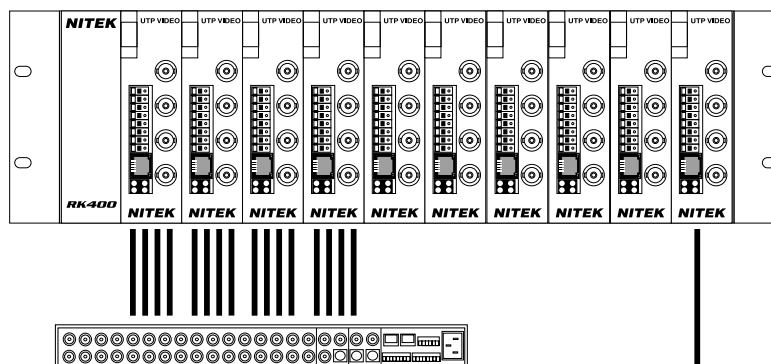
VB37 transceiver can send video for up to 3000 ft depending on receiver unit

Active transmitters can send video for up to 6,000 ft

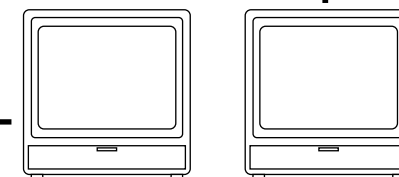


The diagram below is a simplified model to show some of the components used in an RK400 system. For more specific applications refer to the specifications for each of the component parts or contact **NITEK®**.

Video can be run in the some multipair cable with control signals, telephones and computer signals



Just four VB41x4 cards are needed for one 16 camera multiplexer.



Video can be viewed directly or processed through other equipment and systems