

VIPER Video Surveillance Long Haul Card VP-6004

DESCRIPTION

The VIPER Long-haul Card is available in a four camera modular design. This component is used in combination with VIPER Chassis at the headend/security central. The card utilizes a plug - and- play feature that allows the system to be custom configured for each application and provides easy expandability. Each card is hot swappable allowing the customer's mission critical video surveillance system to remain in service while routine maintenance is performed.



This component was designed for operation with VIPER cable. Its unique design allows it to interface with existing video, voice or data networks without interference by using a highly balanced transmitter output design. Each card is integrated with advanced receiver electronics that provide complete immunity from ground loop, hum and noise to produce maximum video quality with minimum loss. It utilizes post-equalizing amplification for extended video distances up to 1400 meters/ 4,600 ft. over backbone cabling. By using "dip switches" these modules can provide incremental adjustment of gain and frequency compensation to allow the system to be "fine-tuned." This unique feature provides adjustments for optimum performance over the entire operating range.

In design, it matches the appearance of the VIPER passive card, 4-port RJ-45 to BNC module, except that equalization, amplification and protection circuitry has been added. Finally, BNC patch cords are used to transport the video signals from the video module on to traditional security monitoring and recording equipment.

Use the dip switch package selection table below to adjust for camera distances. The switch setting is divided into increments of 152 meters up to 1000 meters. In your calculation of system design over copper backbones, be aware that the total distance from the camera to this card should not exceed 1400 meters/ 4,600 ft.

FEATURES AND BENEFITS

- Active electronics compensate for frequency and level loss
- Built-in protection from power surge, transients, static or other electrical interference
- Transmit high resolution color or monochrome video up to 1400 meters/ 4,600 ft.
- 70db rejection of ground loop

FEATURES AND BENEFITS CONTINUED

- Video detect LEDs
- RJ45s inputs and BNC outputs for easy connection
- Modular design in camera increments of four

Specifications

Size	1 slot in VIPER Chassis
Capacity	4 cameras per card
Power Requirements	Card powered by VIPER Chassis
Input	Balanced low voltage current loops
Output	1 vpp composite video of color or monochrome
Common Mode Rejection	>70dB
Video Formats	PAL, RS170, NTSC, SECAM, CCIR (color or monochrome)

Product Ordering Information

VP-6004 4-Port Long Haul Card RJ45 (In) to BNC (Out)

DISTANCE FEET (UP TO)	DISTANCE METERS (UP TO)	DIP SWITCH SELECTION FOR DISTANCE							
		SW1	SW2	SW3	SW4	SW5	SW6	SW7	SW8
500	152	off	off	off	off	off	off	off	off
1000	305	off	off	off	off	on	off	on	off
1500	457	off	off	on	on	on	off	off	off
2000	610	off	off	on	on	off	on	on	off
2500	762	on	on	on	on	off	on	on	off
3000	914	on	on	on	on	on	on	on	off
4600	1400	on	on	on	on	on	on	on	off

Note: Based on Cat5e Cable Channels (segments)