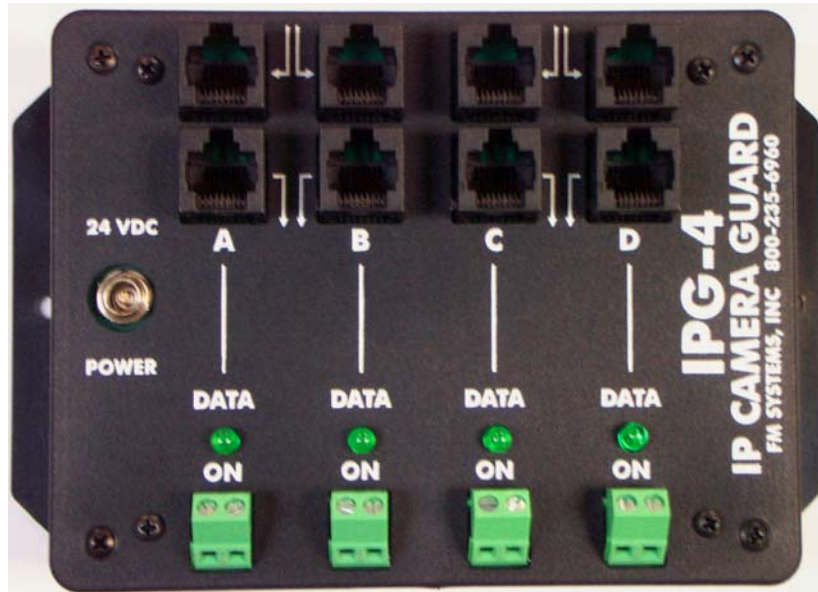# IPG-4

FOUR CHANNEL IP VIDEO CAMERA GUARD

The **IPG-4 Camera Guard** monitors the communication path of four separate IP camera data signals. This supervisory system will identify the loss of any video data signal due to removal of the camera, loss of power to the camera, a camera cable disconnect, or a defective camera output. The IPG-4 continuously displays the "Data on" condition of 4 IP cameras with individual L.E.D. indicators for each camera channel and relay contact outputs for external alarms or low voltage DC output to control other equipment relays. Use it to monitor your IP cameras and shut down un-attended gas pumps if the IP camera is tampered with.

Normally Open or Normally Closed Alarm contacts are provided for each channel to send an alarm or activate equipment when loss of data occurs. These contacts are field programmable for Normally Open or Normally Closed contact operation. Connect this unit to a local alarm panel to alert monitor personnel that a camera is being tampered with or send a message to a remote site by connecting the alarm output to external dialing equipment. It can be used to shut down equipment such as gas pumps when the IP video fails.

The IPG-4 will identify tampering or failure of cameras when it occurs, reducing the liability associated with extended and undetected loss of area security when cameras are rendered inoperative without notification. The IPG-4 increases the level of security provided by the IP video camera.

The IPG-4 Camera Guard can be connected anywhere between the camera and the Monitor equipment in the IP video data path. You can connect it near the IP camera to activate a local alarm or at the monitor location to alert guard personal and automatically shut down equipment. The "High Impedance Loop through Input" will not affect the data or picture quality of the video signal even if the power fails. The unit detects the loss of data communication between the IP camera and the monitor location for any reason such as power loss at the camera or camera failure, broken, shorted or disconnected wire cables and tampering of any kind.

Use this unit in any IP video installation that requires guaranteed continuous video monitoring. Use the IPG-4 to monitor the cameras in sensitive areas like loading docks or any area subject to the unauthorized movement of product or stock. Or use it to determine if you have an intermittent failure problem in any IP video system. The IPG-4 has an easy mounting flange that will mount to any surface with just two screws and is supplied with a 24 VDC power cube.

INPUT   SPECIFICATION

Data Level	0.1 - 5.0 Vpp (1 Vpp Nominal)
Impedance	High Z (Loop Through)
IP Video Standard	CCTV, NTSC, PAL, All Standards
Connectors	8P8C (RJ-45 Female)
Channels	4 Channels (A,B,C,D)

OUTPUT RELAY

Field Select Relay Output	A or B Form Dry Contact
Maximum Switching Power	60 W, 62.5 VA
Maximum Switching Voltage	220 VDC, 250 VAC
Current Rating	0.3 A 125 VAC
	0.3 A 110 VDC
	1.0 A 30 VDC
DC Relay Control Output	24 VDC (if selected by internal jumpers)
24 VDC Maximum Current	500 mA @ 24 VDC (Auto Reset Fuse)

MECHANICAL

Size	5.5" L x 4.3"W x 2"D
Enclosure	ABS with Mounting Flange
Power Requirements	24 VDC Wall Mount (Supplied)
Power Connector	5.5mm x 2.5mm
Current Consumption	100 mA

IPG-4.SPC