

IPG-4T



FOUR CHANNEL IP VIDEO CAMERA GUARD

The **IPG-4T Camera Guard** monitors the communication path on four separate IP camera signals and sends the communication status of each IP camera via an embedded device server over an Ethernet connection to a matching relay output receiver placed anywhere on the network. Use this unit when you have multiple cameras feeding into a network switch and one cable or wireless transmission back to the control point with no other signal path to use for control. This supervisory system will identify the loss of any IP video data signal due to removal of the camera, loss of power to the camera, or a camera cable disconnect, or a defective camera output.

The IPG-4T continuously displays the "Data on" condition of 4 IP cameras with individual L.E.D. indicators for each of the camera channels A-D. The unit also has 4 input screw terminals to use with switch contact inputs or a second standard IPG-4 unit to expand the system for up to 8 monitored channels. The axillary channel inputs E-H are for contact switches and will take any switch or relay inputs. Use it to monitor your IP cameras and shut down un-attended gas pumps if the IP camera is tampered with or fails. This unit uses a standard 8P8C network cable to put the IP video loss information onto the network for recovery at the far end near the pump controls. The signals generated will go anywhere on the network using TCP/IP protocol.

The embedded device server uses 10/100Mbit Ethernet protocol, auto sensing, stable, field proven TCP/IP protocol, easy configuration through a web interface or by direct Ethernet cable connection and down loaded software, Password Protection capable and Bi-Color LED indicators for Link status, speed, and activity.

The IPG-4T 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. Then it will put that information out on the network for recovery anywhere else on the network.

The IPG-4T Camera Guard can be connected anywhere between the camera and the Monitor equipment, and then use an Ethernet connection or a wireless link to return the IP Loss signals to another location to shut down pumps or operated alarms. The "High Impedance Loop through IP Monitor 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 network switch and sends IP loss data to a receiver at the other end of the network.

Use this unit in any IP video installation that requires guaranteed continuous video monitoring. Use the IPG-4T to monitor the cameras in sensitive areas like loading docks or any area subject to the unauthorized movement of product or stock.

The IPG-4T has an easy mounting flange that will mount to any surface with just two screws and is supplied with a 12 VDC power cube. This unit will pass all forms of P.O.E. Power Over Ethernet on the camera channels and does not use P.O.E. on the network connector. This unit is designed to be used with the matching 8 channel receiver called IPG-8R.

INPUT

Data Level
Impedance
IP Video Standard
Connectors
Channels
Axillary Inputs (from second IPG-4)

SPECIFICATION

0.1 - 5.0 Vpp
High Z (Loop Through)
All Standards
8P8C (RJ-45 Female)
4 Channels (A,B,C,D)
4 Channels Relay Inputs (E,F,G,H)

NETWORK CONNECTION

Data Speed
Protocol
Connector
P.O.E.
Data Rate
Bi-Color LEDs

10/100Mbit (Auto-Sensing)
TCP/IP
8P8C (RJ45)
Not Used (Terminated)
9600 Baud (Relay Data)
Activity and Transmission Status

MECHANICAL

Size
Enclosure
Power Requirements
Power Connector
P.O.E. Power
Current Consumption

5.5" L x 4.3"W x 2"D
ABS with Mounting Flange
12 VDC Wall Mount (Supplied)
5.5mm x 2.5mm
Camera Pass Through
270 mA