



Sustainable Solutions for Traffic Technologies

CIP: Camera Interface Panel

Overview

All video traffic detection equipment should include electrical surge suppression that protects components inside the cabinet from electrical events outside the cabinet.

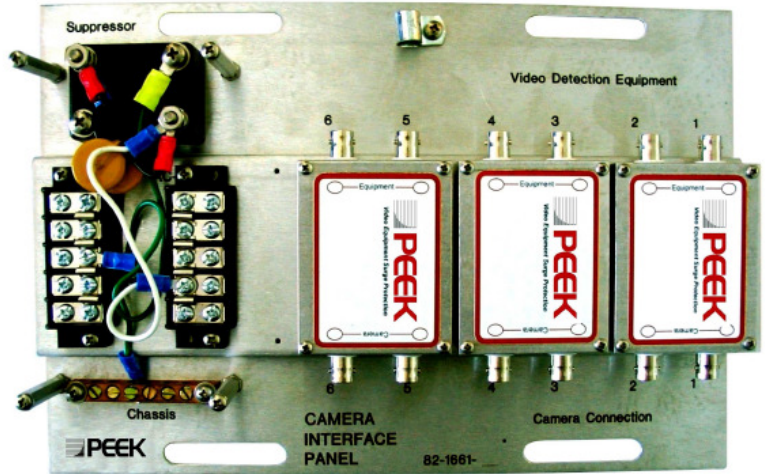
Peek Traffic provides this protection with its range of Camera Interface Panels.

The CIP provides protection in the event of an externally induced power surge. This suppresses the spikes on the camera cable's coax and power lines at the CIP.

This reduces the risk of the spikes affecting the rest of the cabinet components; (e.g. video detector cards, controller, cabinet power supply, etc).

Another important function of the CIP is that it provides a connection point to route cabinet power to the Cameras while also providing the connection point needed to route the video from the cameras in the field back to the cabinet.

With the CIP mounting location just inside the cabinet, it helps to minimized cabinet clutter and installation time.



Peek Camera Interface Panel (Six Channel)

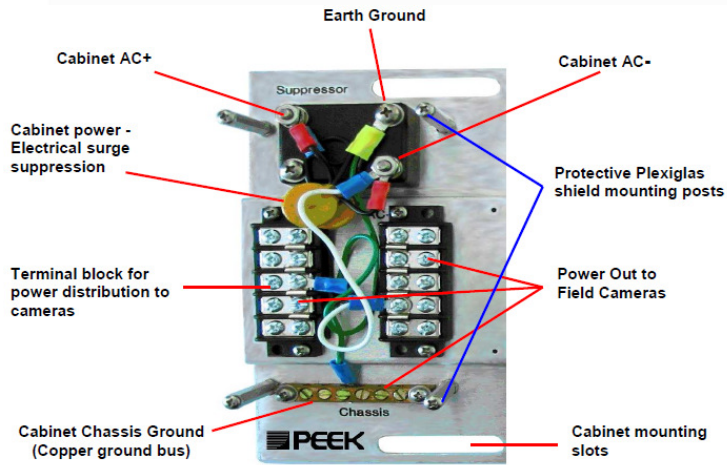
Power supply

Cabinet power is routed through a surge suppressor which is wired to a pair of five-position terminal blocks. A terminal block is provided for both AC+ and AC-. A copper ground bus is provided for Chassis ground connections. Camera power can be originated at this panel. A Plexiglas shield provides operator protection from line voltage. The shield can be temporarily removed during wiring and installation.

Ordering Information

The CIP can be ordered in a number of configurations. It can be fully loaded with either three dual channel video protection devices, (six channels) or any combination of dual or single video protection devices. The individual dual or single channel video protection devices are available from Peek and can be used to customize the CIP configuration, as required.

Configuration	Part Number
2 Channel	82-1661-04
4 Channel	82-1661-05
5 Channel	82-1661-06
6 Channel	82-1661-07
Dual Protection Device	81-1074
Single Protection Device	81-1073



Camera Power and Electrical Connections

Specifications

- Peak Current @ 8 x 20us waveform.....10kA
- Clamp voltage..... 3 Volts
- Response Time..... <1ns
- Video Connections..... BNC

Grounding: The CIP mounting plate must be tied to electrical ground for proper operation.



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