



Using a CM9760-DMR to Combine Multiple Control Devices

HELPFUL TIPS FOR PELCO PRODUCTS

Tip No.: 01-3052

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Product Affected: CM9760-DMR Data Manager

PROBLEM: How do I combine multiple control devices to operate a camera or group of cameras?

SOLUTION: When configured for use as a data merger, the CM9760-DMR allows up to four keyboards, PelcoNets, matrix switchers or other control devices to share control of up to 32 cameras via Pelco's "P" protocol.

The illustration below shows three KBD300 keyboards and a PelcoNet receiver controlling a Spectra dome. The CM9760-DMR links all four control devices to the camera(s) allowing PTZ operation from any of the keyboards or from a distant PC browser via the PelcoNet receiver.

Up to 16 cameras can be controlled. Because there is no switch in this application, the PelcoNet will observe and control only camera 1. At the keyboards, cameras must be dedicated to individual monitors, looped between keyboard locations. Since PelcoNet doesn't have a looping video input, it would be the last device in the chain. An easy way to monitor 4 cameras is to use quad monitors.

When configured for direct mode, the KBD300 keyboards output "P" protocol. Refer to the illustration for switch settings.

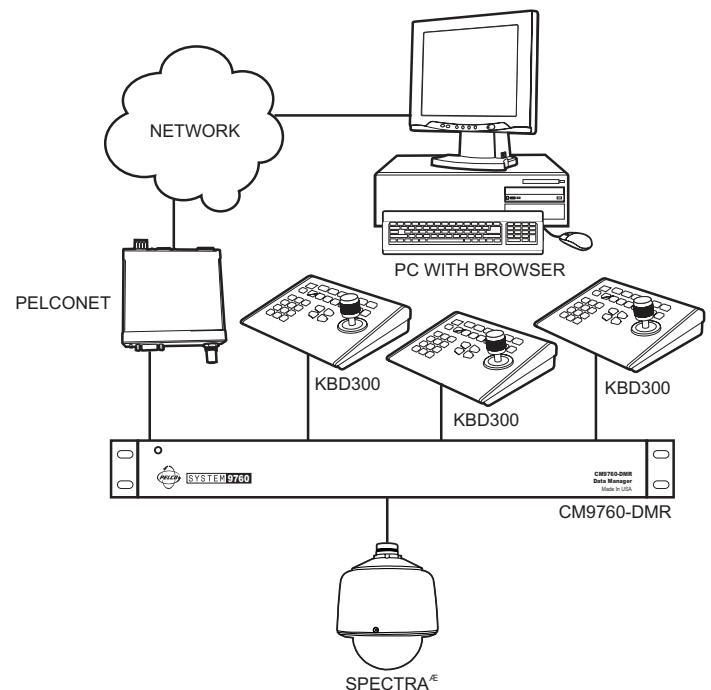


Figure 1. Block Diagram

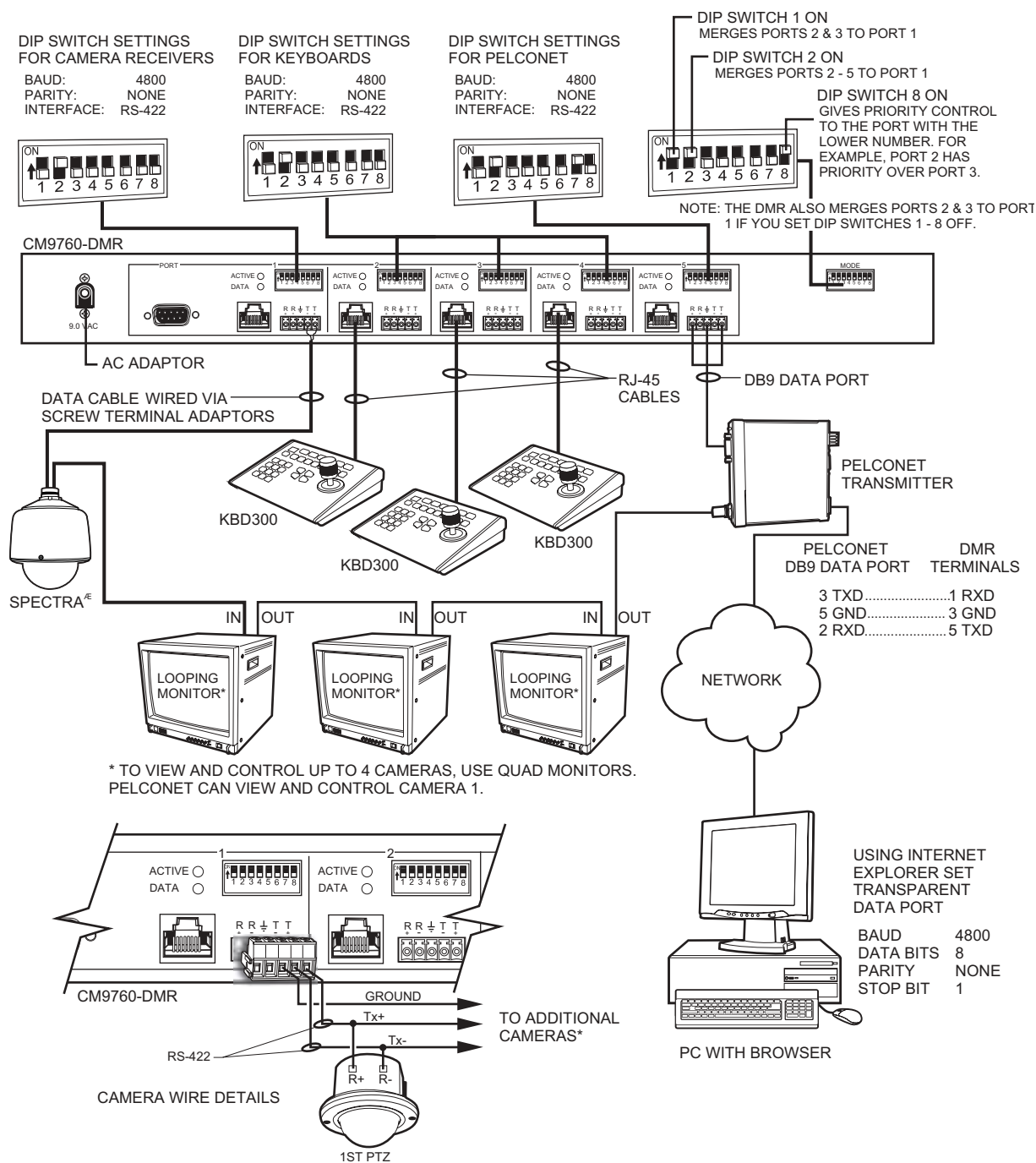


Figure 2. Wiring Diagram