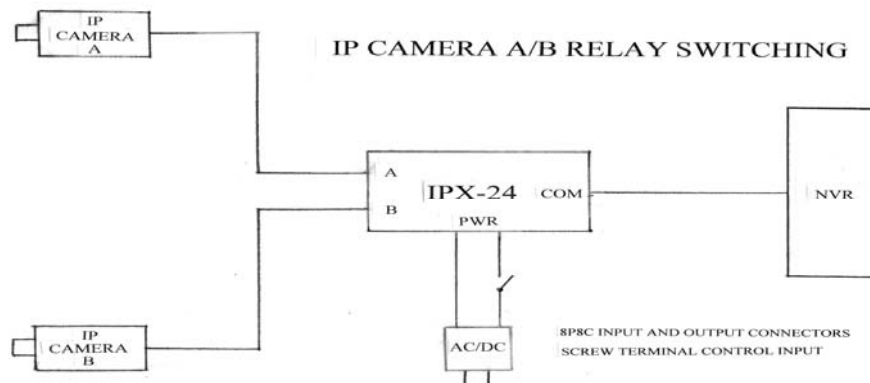


# IP CAMERA A/B SWITCHING THE EASY WAY

By Don McClatchie

Some of our customers have indicated that they would like to switch off a network IP camera under special circumstances with a simple switch that their customers could use and if the camera is supplied with power that is non-P.O.E. (Power Over Ethernet), then you can just cut the power to the IP camera and the network goes dark. In other circumstances, the customer wants to choose between two cameras at different locations showing only one camera at a time. Of course they could go into the NVR set-up using a keyboard and shut off the camera by programming means or unplug the network cable and plug in the other camera cable, but that is not very convenient and well beyond most of their customers ability.

These applications include courtroom control of IP camera's, sometimes the judge wants to be able to shut down the camera at certain times. In jails and prisons for privacy reasons some security areas could be blacked out normally but come on in emergencies to record the situation. One application exists in hospital critical care rooms. When the room is being used for critical care and being actively monitored by nursing staff they want the camera to be on, but when the room is being used for normal care they want the camera to be turned off. Can you think of a situation where your customer might want to turn off a camera without having to unplug it manually or share one more camera on an NVR that is already at full capacity? When your customer just wants to add one more camera for a special application this unit will allow the customer to switch to it when they want to without accessing the internal NVR programming, which most customers would have a problem doing.



With analog camera signals these applications were accomplished with a simple video switch. But now with the new network cameras it is not as easy to do with just a single relay. To do the job the network switch must switch all 4 pairs of network wires and maintain the proper line impedance to reduce high frequency reflections that can reduce the quality of the IP network camera signal. It also must handle and switch the P.O.E. signal as well.

There is a new low cost IP camera network A/B switch that can serve as a camera cut-off or an A/B camera switch. This product is called the IPX-24 and will handle two IP camera network signals and switch between them using an external AC or DC 24 Volt source. If you need to use 12 Volts AC or DC then you can order the IPX-12 made for mobile IP video applications.

This network switch will handle all forms of the P.O.E. signal as well as the data to switch between two camera network signals. This switch uses an external voltage for direct relay switching to route the P.O.E. and data. When this switch disconnects a network camera from the NVR and P.O.E. source, the camera will also power down reducing the operating hours on the camera and eliminating the possibility of interference from the un-used camera.

The control voltage that operates the switch can come from a source of 12 or 24 Volts by way of a remote control relay or a local switch to make installation and operation easy. Also this unit can be used on any type of network signal as long as the network uses 8P8C (RJ-45) connectors. The unit is fully isolated and has an LED to indicate which network is active. For more information or to place your order call: 800-235-6960 or 714-979-3355.



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