

**Overview:**

Many of the new cameras used in today's scientific and inspection control applications have VGA (progressive scan) outputs. These cameras allow the user to capture much finer detail than a typical video camera would.

This TECHnique describes how CSI's QuadSwitch for VGA allows multiple VGA cameras to be connected to a single computer monitor or display device, saving the user the expense and space associated with using separate monitors for each camera source.

**Details:**

The requirement for more detail from a camera image is often a necessity in today's scientific and inspection control environments. VGA cameras, which meet this need, have a progressive scan output that cannot be displayed on traditional NTSC or PAL TV monitors. Instead, they need to be displayed on VGA-type monitors or displays.

As there are often multiple cameras involved in scientific inspection and control environments, the cost of procuring displays for each camera can be a significant added expense. However, using QuadSwitch for VGA, up to four VGA cameras can be connected to a single monitor or data display. The individual sources can be manually switched for viewing purposes, or displayed automatically at various intervals using the RS-232/GPI port on QuadSwitch.

**Suggestions:**

In addition to the easy-to-use front panel buttons which allow for switching between the four inputs, QuadSwitch for VGA can be controlled by two different remote control options – through an RS-232/422 serial port and/or through a one-to-one contact closure to ground.

A distribution amplifier from Communications Specialties, such as the TwinSplit® for VGA, may be connected to the output of the QuadSwitch either to extend the distance that a monitor or display is placed from the unit or to allow more than one monitor to receive the output.

**CSI Products Used In This TECHnique:**

- QuadSwitch for VGA ..... 1340
- TwinSplit for VGA ..... 1302

**Related TECHniques:**

- T-18 Using QuadSwitch for VGA in an Access Control Application

