

# Triangle Research Collaborative, Inc.

## Portable Labs

Labs are designated 'portable' if they are meant to be used in many different places. The labs in these diagrams are designed with that in mind. Keep in mind, however, that a lab could consist of a combination of portable and stationary components. For example, a portable camera could be used in the field to record information, and that information could later be edited and coded on a desktop computer with editing VCRs. Also, portable labs are useful for more than just field work. Since portable components are usually smaller than their stationary counterparts, researchers with limited space might want to consider the benefits of a portable lab.

Some of these labs were designed with specific fields in mind, such as psychology. If you don't see a design that seems right for you, try to imagine what you could do with the components present in these labs.

Lab A is a basic observation lab. It consists of a camera, a portable notebook computer, a portable VCR, and a small LCD monitor. The monitor can be replaced with digital video windowing technology, which places the video directly onto the screen of the computer. This lab is meant for on-the-spot research and coding.

Lab B is a more complicated lab; it is a portable software usability lab complete with a scan converter, which can transmit the computer screen's image to the VCR. It also uses a special effects generator to mix the signals from the cameras and scan converter. This lab is ideal for observing people use the software in a real work environment.

Lab C has the same basic layout as Lab B, but adds an audio system with push-to-talk microphones. It also includes an optional VGA splitter, which allows the direct transfer of the image on the screen of the subject's computer to a monitor, producing a much clearer image than the scan converter.

These labs are merely examples of the designs we can do. If you would like more help in thinking about the kind of configuration you would need, or if you already have a lab in mind, contact TRC. We will be happy to help you construct the best possible lab for your needs.

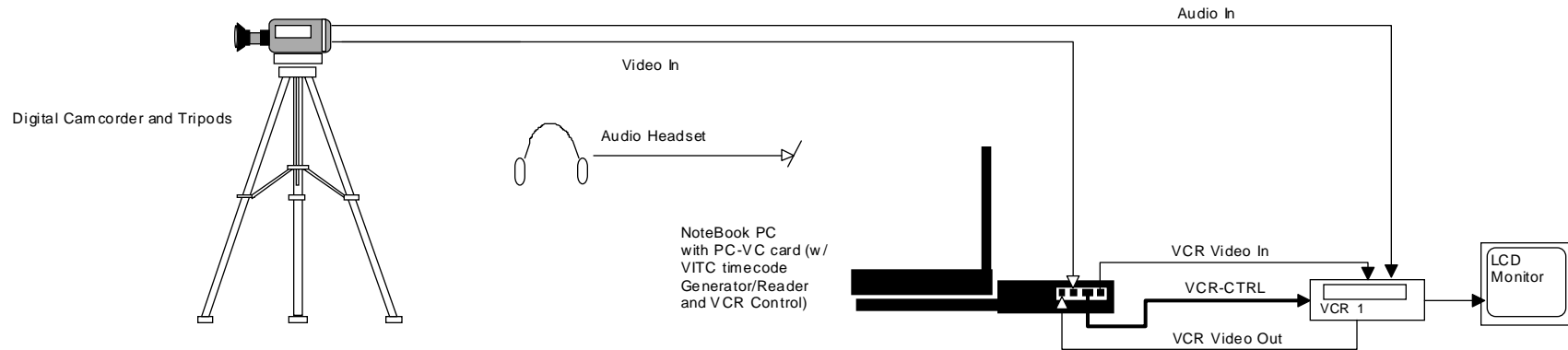
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# PORTABLE VIDEO WORKSTATION A

## Synchronized Portable Video Lab

Portable Video Lab with Synchronized Notebook PC, OCS Data Collection Software, PC-VC Card (w/ VITC timecode Generator/Reader and VCR Control), Integrated Video Switch, Portable/Controllable VCR and LCD Monitor.  
A digital video window in the notebook could replace the LCD Monitor.



# PORTABLE VIDEO WORKSTATION B

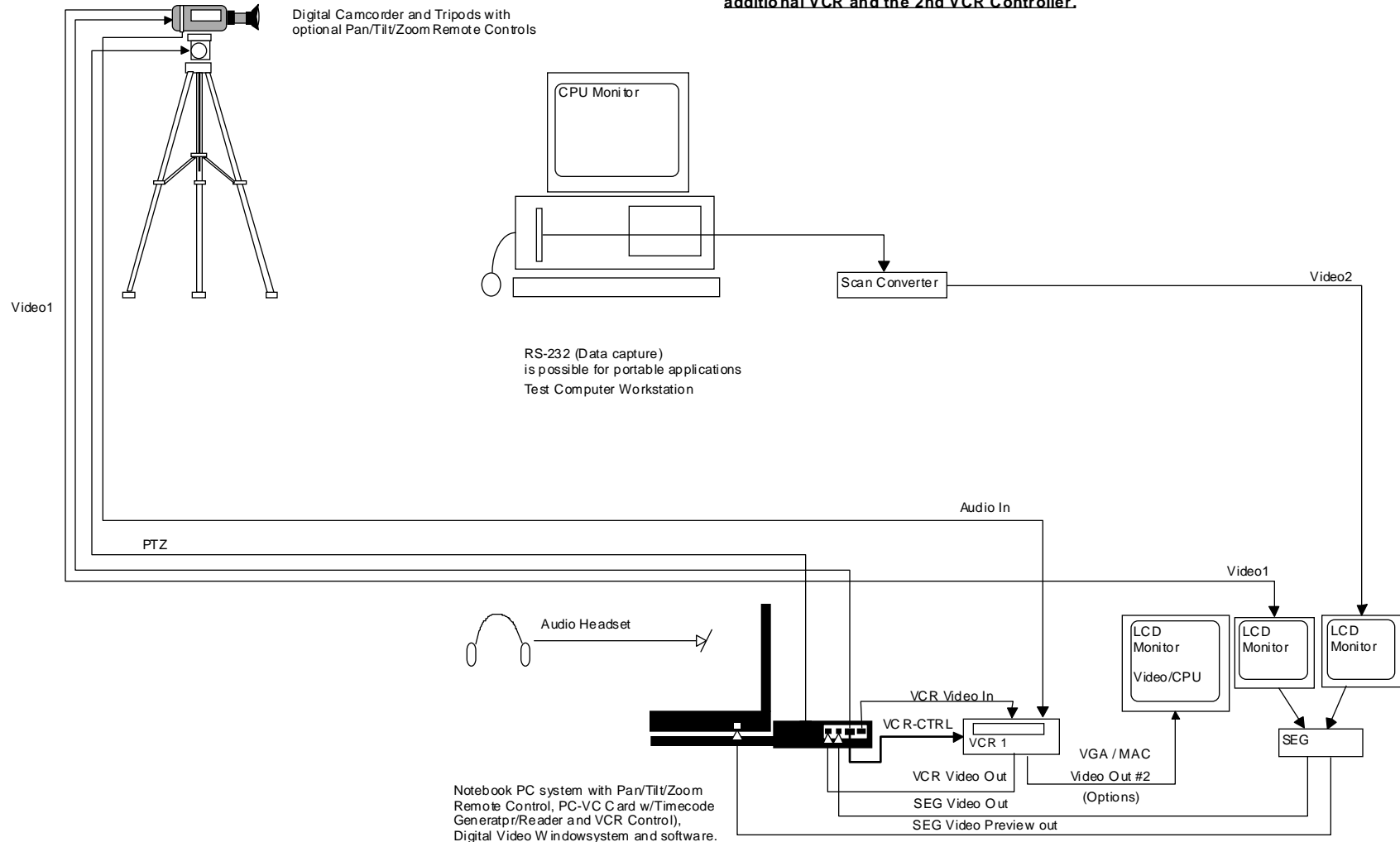
## Synchronized Portable Video Lab

Portable Video Lab with Remote Controlled Camera, Synchronized PC Data Collection Workstation with PC-VC Card (w/TimeCode Generator/Reader and VCR Control), Scan Converter, Special Effects Generator, and LCD Video Monitors, Event Logging, Statistics and Video Editing software.

Remote Controllable Pan/Tilt/Zoom technology can be added simply, to allow full control of the camera from the PC system.

Lab can also produce 2nd synchronized tape recording using a digital video Camcorder and 2nd VCR Controller.

Lab can also be upgraded for Video Editing work simply using same equipment plus additional VCR and the 2nd VCR Controller.



**Synchronized Portable Video lab by  
Triangle Research Collaborative, Inc.**

# PORTABLE VIDEO WORKSTATION C

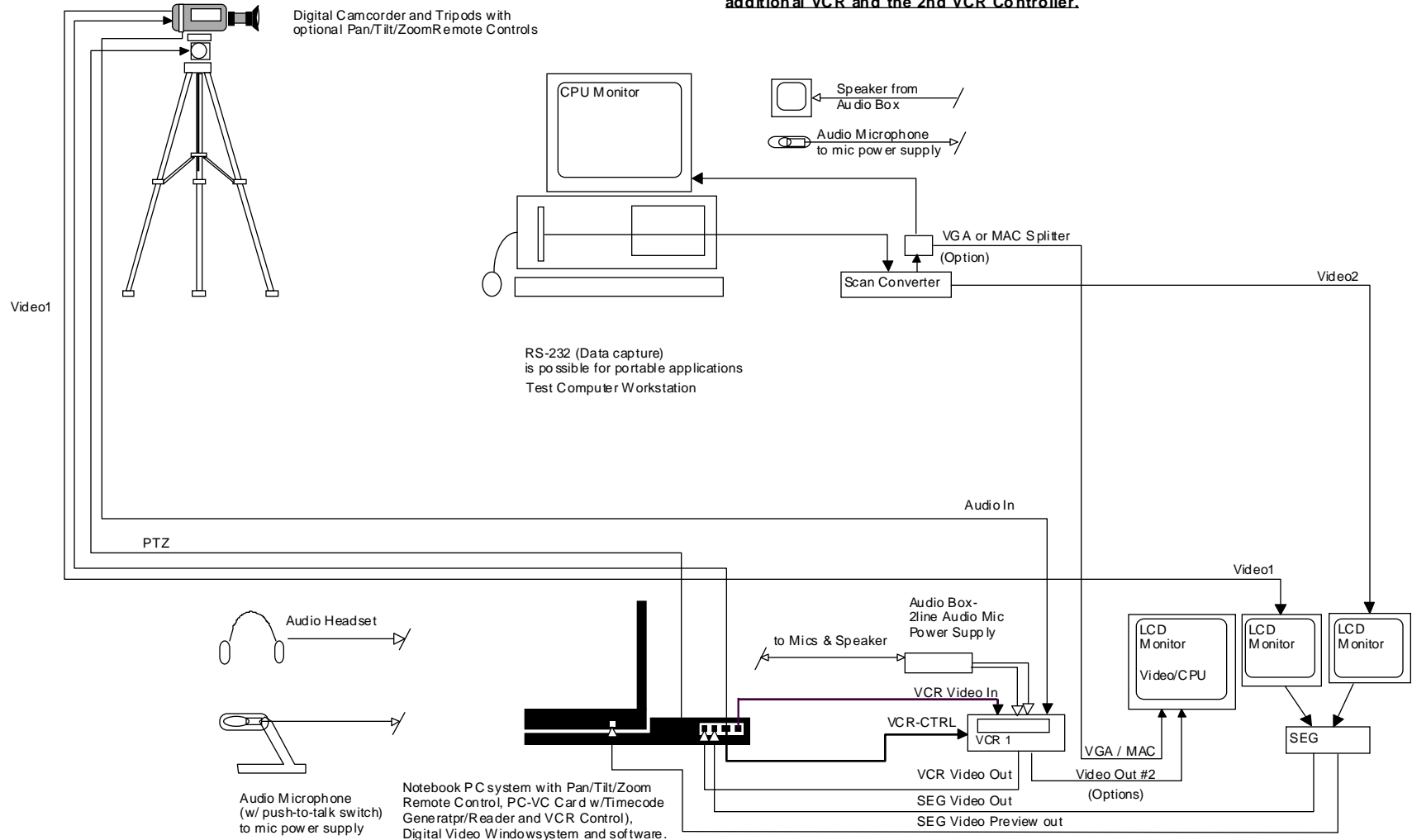
## Synchronized Portable Video Lab

Portable Video Lab with Remote Controlled Camera, Synchronized PC Data Collection Workstation with PC-VC Card (w/TimeCode Generator/Reader and VCR Control), Scan Converter, Special Effects Generator, and LCD Video Monitors, Event Logging, Statistics and Video Editing software.

Remote Controllable Pan/Tilt/Zoom technology can be added simply, to allow full control of the camera from the PC system.

Lab can also produce 2nd synchronized tape recording using a digital video Camcorder and 2nd VCR Controller.

Lab can also be upgraded for Video Editing work simply using same equipment plus additional VCR and the 2nd VCR Controller.



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