

CSI House Observation System



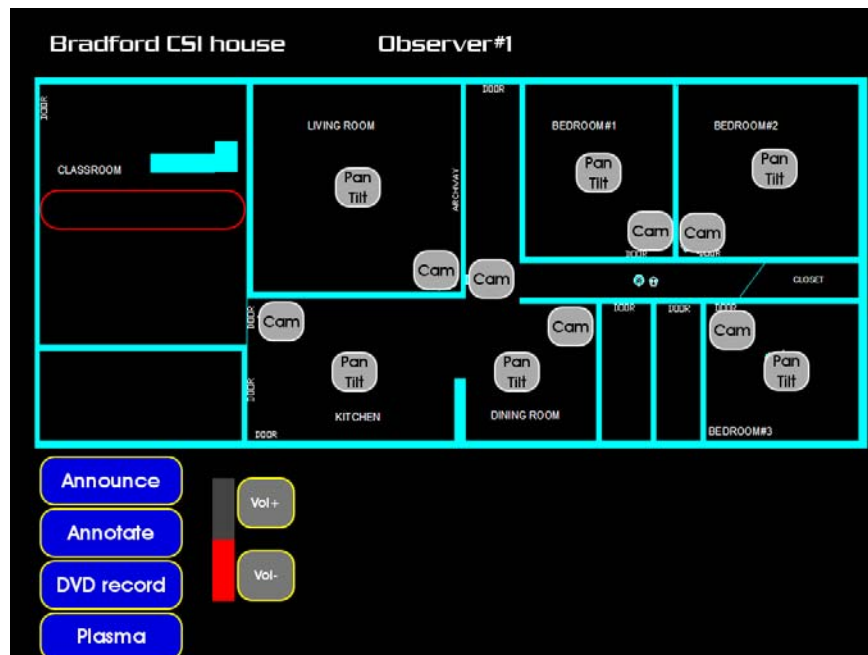
Observe, record, annotate, communicate

Manage multiple forensic training cases simultaneously

What is it?

RPC's CSI House Observation System provides a simple solution to the function of remotely observing and recording forensic training exercises in a CSI house, from a central location. Each room of the house has one fixed wide angle camera, one pan/tilt/ zoom camera, a microphone, and a speaker. All rooms connect to a central observation room. As the instructor watches and listens to the case in a particular room, the video and audio are recorded to a DVD recorder.

This system allows faculty and training administrators to observe students working forensic cases in a CSI house without being present in the room. This allows the faculty to see and hear everything going on, including extreme close-ups of the student work. The faculty can speak to the students when necessary and discreetly record comments and observations along with observation video and audio. With this system, faculty can run multiple cases and be in more than one place at a time. The system records student video and audio, allowing the faculty and students to review their progress and critique performance upon completion of the exercise.



How do you use it?

The system typically includes two or more observation stations. Each observation station has a control panel that displays a floor plan of the house and a video monitor displaying the selected room. The instructor selects a camera button in the room of interest and can immediately see and hear whatever is going on in the room. The pan/tilt camera buttons bring up a camera that can be adjusted for detailed examination of anything in the room. The room audio can be heard through headphones equipped with a boom mic.

To talk to the students, the instructor depresses the **Announce** button on the control panel and speaks. The instructor's voice is sent only to the selected room he is observing. If the instructor wants to record comments associated with the case being observed, he depresses the **Annotate** button and his comments are recorded along with the room audio, but not sent to the room where the students are working. Each observation station is associated with a DVD recorder, allowing multiple instructors to observe and record multiple cases simultaneously.

What does this do for me?

Quality training and assessment are best achieved without the instructor in the room. No matter how careful an instructor is, his presence in the room will affect the processes and behavior of the students. Law enforcement officer training is far more effective when their supervisors are not present in the crime scene they are evaluating. The students are free to learn and make mistakes on their own. The instructors are not present in the room, but can observe, intervene when necessary, and answer questions when queried. After the exercise is complete, participants can review their performance with the instructor and supervisors.

Does this require a computer?

No, the system is managed by a dedicated programmable controller that does not require any user or administrator intervention. This controller is completely self-contained, 2 rack spaces high, it is resilient to power outages, and can be remotely administrated by our tech support people for service and technical assistance. The control software runs on a 32bit processor with non-volatile ram and a 10/100 Ethernet port, supporting as many concurrent users as there are resources available. The system software is customizable to meet your specific user requirements.

What else can this system do?

This system can be extended to allow observation and control to remote observation stations across the Internet or across video conferencing connections at any location with a video conference endpoint. Optional wireless video observation can be extended to outside locations in proximity to the training facility. The remote location is accessible at any observation station with a button selection similar to any other room selection. Announce function may not be available with all wireless equipment configurations.

Is this solution sufficient for future growth?

The number of cameras and observation stations are only limited by the size of the central router. In the event that the capacity of the central router is exceeded, the router can easily be replaced with a larger capacity router, retaining all the rest of the system equipment.

Warranty

RPC Video Inc. warrants the system hardware and software for **support on site** for 1 year.



DESIGN-SALES-INTEGRATION

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