

CARL SANDBURG COLLEGE
SPECIFICATIONS

Video/audio capture system equipment for simulation

Minimum specifications for a video/audio capture system are listed below and each bidder must state to the right or below the listed specifications the compliance details that pertain to the unit bid indication size, quality, and range of information as necessary to determine unit quality. Bidder's specifications must meet or exceed minimum specifications and must be listed in detail to be considered to be a qualified bidder. All specifications shall meet or exceed the following specifications.

The final selection will be made on factors including price, availability, service, etc., which we feel to be in the best interest of the college. Questions regarding these specifications should be directed **to Dr. Emily Schaeffer, Dean of Nursing Professions, phone: 309-341-5253 or email eschaeffer@sandburg.edu**.

The Carl Sandburg College of Nursing seeks bids from qualified vendors for the provision of a Video/audio capture system equipment for 1 large simulation room with in-set control room. Delivery must be no later than May 30th, 2024.

Please note deviations and/or exceptions from:

1. Video/audio capture system equipment for 1 large simulation room with 4 simulation bays and in-set control room.

- a. The cameras shall be IP fixed and wall mountable cameras providing HDTV high resolution. The camera shall have a line level audio input and a line level audio output.

- b. The video shall be encoded in an MP4 streaming format allowing video to be played back without the use of a proprietary player. _____
- c. The ability to record power point presentations etc. along with the video recording.
- d. Cameras shall provide power to the microphone. _____
- e. The microphone is to be ceiling mounted and connected to the audio interface using shielded microphone cable. _____

2. Video Recording Software

- a. The software shall display rooms to observe and record in an easy to find list and be labeled according to user preference. If multiple cameras are located in a room the user will be able to launch all camera views by clicking on a single room ID. -

- b. The software shall support all rooms being viewed simultaneously. _____
- c. User rights shall prevent other users from logging into the system and viewing a session which they have not initiated or have rights to view. _____
- d. The software shall allow observers to create markers during the observation process which index important video points. With each marker that is provided a notes field shall be provided to allow the user to type in additional notes regarding the marker.

- e. Observers, with appropriate rights, shall be able to talk to students via computer microphone or USB headset by simply clicking on an icon located within in the video window during observation when optional talkback hardware is present.
- f. The software shall support digital pan tilt zoom on all live view cameras. -

3. Software Recording Capabilities

- a. The software shall provide an unlimited number of unique data fields per camera which are customizable to the customer. The data fields capture specific information to catalog and index the video file.
- b. Each data field shall be customizable and provide for options of free form text, pre populated text or the ability to create customized drop-down boxes.
- c. The software shall support all cameras to be recorded simultaneously along with all rooms be viewed simultaneously without loss of system performance.
- d. The software shall provide the ability to select preset positions for the camera that the camera automatically positions itself to upon recording.
- e. Each video shall be recorded in its entirety in a single file regardless of session length.
- f. The software shall allow recording to be initiated via the user interface. A one click record button in the user interface shall start and stop the recording.
- g. The software shall provide a schedule feature which allows the user to schedule recordings in advance and pre-populate the session data using the customized data fields. The scheduler shall allow for scheduling of “recurring” appointments based upon days of the week and month. The schedule shall allow for removing individual sessions if a session is canceled without removing the remaining sessions. The software shall allow for exceptions to remove recordings and consider holidays and “days off”.
- h. A recording light indicator shall illuminate upon recording.
- i. The software shall provide for the ability for users to grant access to other users to view content if the other users may not have the “appropriate rights” or security level normally to view the recording.
- j. Video recording shall be available immediately after recording. No rendering time shall be required to view a recording.

4. Software Search and Playback Capabilities

- a. The software shall limit users to search for content using a single search box. -
- b. The software shall allow users to search only their content or content that they have been given access to.
- c. The software shall allow/disallow the user to launch recordings and provide the ability to choose playback beginning at the start of the video or at a certain marker point within the video.

- d. The software shall allow the user to navigate through the playback video by clicking on a timeline or choosing any marker which may have been created during the observation mode. By selecting a marker that video shall automatically begin playing at that marker point. The software shall also include the standard play, fast forward, fast reverse, stop and pause features. _____
- e. In the event multiple cameras associated with a single room or joint rooms, video content plays back completely synchronized. _____
- f. The software shall allow markers to be created and inserted into recorded video during playback sessions in order to index key points and allow users to quickly find and identify content. _____
- g. The software shall provide, with appropriate rights, session data to be edited during the playback. _____
- h. The software shall include a built-in video editor that allows the user to create video clips and save them as independent files. _____
- i. The software shall support digital pan tilt zoom during playback. _____
- j. The software shall allow, with appropriate rights, users to download content to their own PC, which may be played back in a standard media player. _____
- k. The software shall stream the video to appropriate users. No downloading of the video shall be required in order to playback video content. _____

5. Software Security Rights and Management Capabilities

- a. The software shall assign users rights based upon groups. The software will provide the ability to manually create users and groups within the software. _____
- b. The software shall provide an interface for LDAP integration in order to synchronize with university user ID's and passwords. _____
- c. The software shall support Single Sign On (SAML) if required and selected by the end user. _____
- d. The software shall allow each group to be allocated its own set of cameras and to easily segment and departmentalize groups in order to isolate them from each other even though they share the same infrastructure. _____
- e. The software shall provide the ability to upload and manage MP4 video files created from other devices. _____
- f. The software shall provide the ability to create "templates" so that different data fields are presented to different groups of users upon log in. _____
- g. The software shall provide a video retention period that is set per group of users which will automatically delete after a certain period. _____
- h. The software shall allow video's to be removed from the auto delete function for long term storage. _____
- i. The software will maintain a detailed historical log of log in, recording, playback and administrative changes. _____
- j. The software shall have the ability to create custom reports based on usage, asset information and marker information. _____
- k. The software shall have the ability to create evaluation templates and forms which may be used to score and evaluate recordings. The software must be able to plot and graph scores in a generated report. _____

6. Move/installation of current VALT equipment

- a. Disassemble and relocate current video/audio equipment from current building to the new Science & Technology building. -

7. Installation, configuration, and testing of the VALT equipment in the new Science & Technology building

8. Customer training with on-going support

9. Warranty & support

10. Estimated Delivery Date