BRAINSTORM

FOR.A®
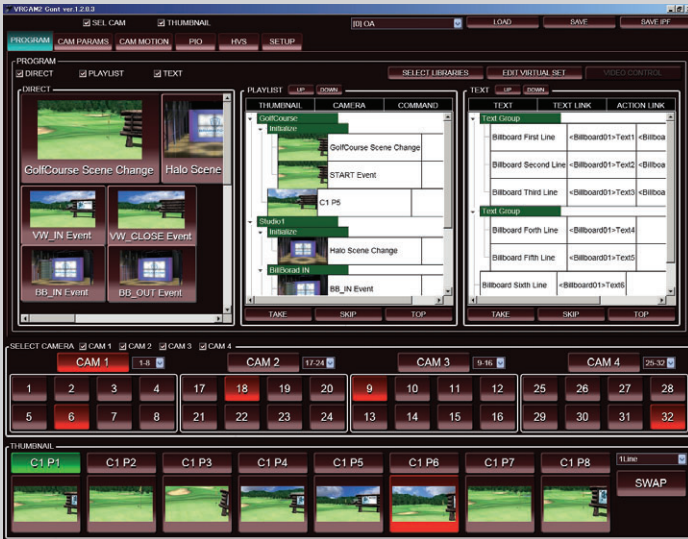INNOVATIONS IN VIDEO and AUDIO TECHNOLOGY

VRCAM2
Sensor-less Virtual Studio System

VRCAM, FOR-A's sensor-less virtual studio system enabling a virtual studio using a one-man-operated, no-cameraman environment, has been updated to the VRCAM2 with even more advanced features. The VRCAM2 system includes expanded camera positions, sensored cameras, and a host of other useful additional functions for program production.

Basic configuration

- PC: Z800 (Hewlett-Packard) or equivalent product
- Graphics card: Quadro 5000 (NVIDIA) or equivalent product
- CG processor: MBP-1244 (FOR-A), Chroma keyer: MBP-12CK (FOR-A)
- VRCAM2 software (VRCAM2 Proc, VRCAM2 Cont)
- Brainstorm eStudio license (Selectable from Engine Save, Desktop, and Global)
- OS: Windows XP 32 bit

Main Features and Functions

■ Scene control
- Scene change: Enables instant switching of multiple CG sets
- Object edit: Allows position, size, angle, color and texture editing (editable parameters may be limited for certain content).
- Video wall function (HD/SD-SDI input)

■ Camera control
- Maximum of four virtual cameras: Up to 32 positions can be set per camera.
- Keyframe setting: Keyframe processes between virtual cameras allow non-linear movement as well as linear camera work.
- Keyframe editing: Enables changes to movement speed and acceleration and addition of stopping points
- Scene transitions: Cut, wipe, show/hide object, walk-in, and a wide array of other scene transitions
- Sensored camera support: Enables mixed configurations using two of the four cameras as sensored cameras.

■ Effects
- Defocus control: Enables effective presentation of background subject close-ups.
- Animation effects: A wide variety of animations (special effects) can be added for the subject.
- Allows audio files (sound effects) linked to effects to be specified.

■ Playlists
- One-touch operation: Camera switching, subtitles, captions, scene transitions, among other scheduled actions, can be saved sequentially onto a playlist, and scene takes alone during a live program enable programmed timeline effects.
- Multiple events can be registered as a single action

■ Direct buttons
- Usage with a playlist enables the program timeline to be maintained while allowing composition changes and presentations that give a sense of actually being in the audience for live broadcasts.

■ Text input
- Animated text can be displayed by simply selecting a template and entering the text.
- Text insertion times can be registered to the playlist.

■ Various control functions
- Video and audio file playback control: Each operation can be registered to a playlist.
- FOR-A MBP-100 Series MXF Clip Server can be used to control through thumbnail selection operation.
- Linkage with FOR-A DRS Series Routing Switcher for camera switching.

- Linkage with the HANABI Series Video Switcher (HVS-300HS/HVS-350HS) for assigning cameras and camera position selection to video switcher bus buttons and enabling control on the video swithcer-side.
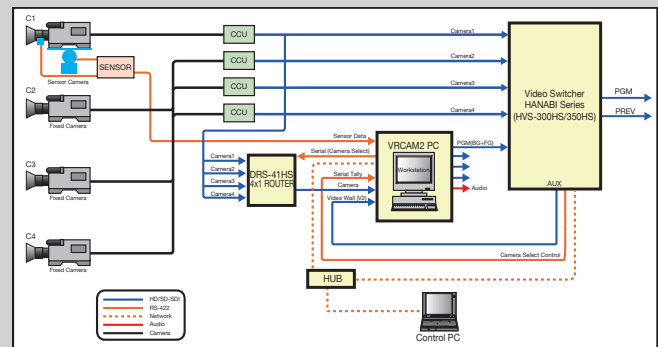- Support for external remote control, external device control, and tally output (contact control).
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■ Other functions
- eLibrary: More than 160 royalty-free CG sets that can be used as program sets are available.
- Parameter settings: Supports precise adjustment using