



SYSTEM
INTEGRATION

Studio Production Complex



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THE BRIEF

Build a studio complex in one of the world's most active earthquake zones to provide 100% availability 24/7

The first challenge here was design. The customer's requirement was to be able to be on air 24/7 regardless. The system even had to be seismically rated to withstand earthquakes. The complex consisted of 5 HD studios with 24 cameras, 10 edit suites, 2 audio rooms, 2 PCRs and a large MCR.

Every studio has internal built-in redundancy in both audio and video and the large studios and PCRs can be exchanged with a single switch. For added security all mission-critical devices are under control of a unified control and monitoring system.

The system was completed and went on air on time and now broadcasts 24/7 without interruption, even by earthquakes!



Studio Production Complex /QVC, Japan

SPECIFICATION

KEY EQUIPMENT

- Snell Modular Infrastructure
- Snell RollMap Control and Monitoring Solution
- Snell Sirius 840 512 x 512 HD-SDI router
- Snell Pyxis Video, Audio and RS422 Routing System
- Ikegami camera with Shotoku Robotic Control
- Sony 7000X Vision Switcher Solution
- Quantel SQ Server based high-speed production system
- 24 Robotic Cameras, including 2 x Crane Cam, 2 x Ceiling Rail Cam
- Full Automation
- Omneon Playout Server
- Quantel Production System
- 40 x Snell IQ Modular Infrastructure Frames
- 240 Input Evertz MVIP Multi Viewer
- 10 x Evertz Modular Frames (DSK & VIP)
- Indoor and Outdoor CCTV Camera System
- Custom Designed Studio Control System
- Quantum LTO Archive
- 12 x Viz RT Graphics Servers
- Fibre Optical network for all studio interconnects



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