

## APPLICATIONS



News, Sports & Current Affairs



Virtual Studios



## FEATURES

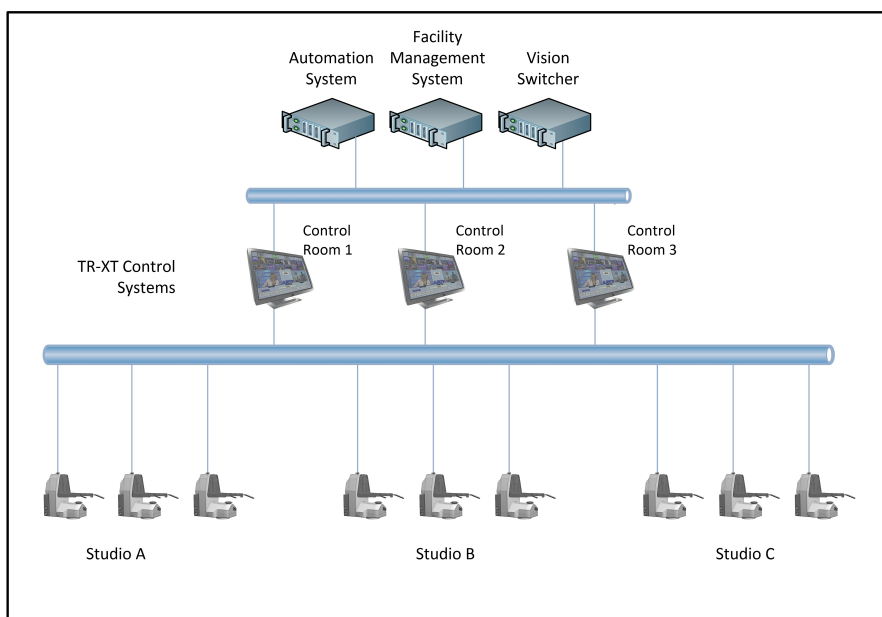
- Direct Control from Third-Party System
- Single Operator Control
- Reduced Operating Costs
- Stored Shot Recall
- Joystick Trim Control
- Camera Mapping Configuration

## Take Control

Shotoku remote camera systems have always provided high levels of operational flexibility regardless of the size of system or application. The TR-XT touch screen control system for example supports multiple operators and an almost unlimited number of networked cameras, enabling even the most complex studio production to be easily undertaken while being simple to use and intuitive to operate.

In many studios, programmes of different types and complexity are produced at different times of the day. Being able to operate systems according to the programme complexity offers significant advantages for broadcasters wishing to carefully manage production costs.

The Shotoku External Control Interface (xECI) offers the greatest flexibility by enabling operation from the main control panel as well as third party devices such as a central automation system or vision switcher with production automation capabilities. In this way, programmes of different operational intensity may be produced with a dedicated camera operator, or a single multi-tasking operator at another location in the control room.



### Implementation Flexibility

Shotoku understands that automation systems differ in the way they are implemented and the way they obtain control of third-party systems. The xECI system is therefore designed to be flexible in terms of the scope of the control available.

In most systems, being able to recall shots previously stored on the Shotoku control system is enough to achieve everything required. In other cases it may be necessary for the vision switcher itself to adjust the camera position with a built-in joystick, xECI supports both these applications, and more.

Connection to the system is via the TR-T computer, which manages the shots database and the low-level control of the robotic system, ensuring a simple interface is provided for the external system. Connection to the TR-T system is typically via TCP/IP. Multiple automation systems may be connected enabling backup systems to be used.

### Facility Management Systems (System Configuration)



In addition to live automation of the robotic cameras, the xECI interface also provides a powerful method of automatically reconfiguring the TR-XT system to select new show configurations, preset shot databases and camera map files. In this way a controller can be instantly configured for a particular show, and cameras required for that show mapped to it. Other cameras, for example in a studio next door or in another city, will not be accessible from the controller until a new configuration is loaded (manually or via the Facility Management System).

The use of camera map files means very large systems with 32+ cameras on the network can easily be managed by multiple, or even a single, control panel. Furthermore, by enabling camera mapping to be externally managed, configurations can be instantly (manually or automatically) selected to suit a particular production requirement or provide a backup control facility from a separate location.