SHOTOKU
BROADCAST SYSTEMS
w w w . s h o t o k u . t v

CONTROL SYSTEM TR-XT

TR-XT Control System

Ultimate Flexibility

The TR-XT control system is deigned to match the needs of any size of broadcast operation. From a single small studio up to a nationwide fully-integrated network of control rooms and studios. A practically unlimited number of cameras may be on-line for immediate control on any of the control systems. 16-camera expansion panels are available to extend the panel's camera selection capacity.   The expansion panel uses LCD matrix buttons and so may be dynamically labelled according to system configuration.

Building on the highly successful TR-T systems the TR-XT expands the functionality while maintaining the same intuitive, reliable, real-time control.   Revolutionary new control modes include touch screen PTZF trimming via fingertip Drag and Centre modes.

In common with all Shotoku control systems the TR-XT builds on years of experience in live TV remote camera control ensuring a smooth and precise production. Time after time.

A P P L I C A T I O N S

News, Sports & Current Affairs

VR Virtual Studios

Multiple operators may work together with a shared database of shows and shots, or independently with completely separate configurations to suit the control location, or operator preferences.

The TR-XT supports the whole range of Shotoku heads, height drives and pedestals, VR studio operations as well as the unique Resilient Network Interface for single-point-of-failure protection on IP networks.

☐ F E A T U R E S

- Touch Screen & Hardware Panel Operation
- Practically Unlimited Shots per Camera
- Practically Unlimited Number of Cameras
- CRuZe Unique Shot Recall Mode
- Multi-Shot Key-Frame Sequences
- Multi-Camera Simultaneous Cues
- Intuitive Drag & Centre Touch Controls

☐ S P E C I F I C A T I O N S

Controls	3-Axis proportional Joystick (PTZ)
	Rotary encoders individually assignable
	Cut, Fade, CRuZe shot recall modes
	Drag & Centre control
	Fade time adjustment
	8 or 16 Camera channels (main panel)
	+16 Camera expansion panels (option)
Connections	On Air Tally
	Single / Dual Ethernet
	RS422 / 232 Automation I/F
	RS422 / 232 Router control
	GPI/O On-Air Tally / Router
	HD-SDI / SD-SDI Video capture
Size	Panel - 19"x3RU
	Computer - 19"x2RU
	Touch Screen - 22" LCD
Power	100-240 VAC 50/60Hz
	~200W

Specification subject to change without notice

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Installed TR-XT-32 Showing expansion camera selection panel and CCU control panel

Ultimate Expansion

The TR-XT control system is highly expandable, supporting 8, 16, 32 or even more cameras from a single control position. The main TR-T joystick panel has a maximum of 16 dedicated camera selection buttons, however expansion camera select panels can be added, with LCD matrix-display keys enabling customised legends to be created. The key-top display can even be modified dynamically if automation systems require system configuration changes to the cameras available to any panel.

Versatile System Configuration

The TR-XT control system is easy to configure and very easy to build into large or small remote camera systems. Combining TR-XT with other controllers requires no direct interconnection, or modification to existing panels; simply connecting to the Shotoku network is enough. Even combining panels of other types (e.g. TR-B, TR-HP) is simple and all operators can work together seamlessly.

TR-XT, like all Shotoku panels, is able to maintain a Camera Map - defining the cameras which are 'visible' to the panel.   This will often be all the cameras in the system, but could be also be a sub-set, depending on the system requirements for shared cameras.