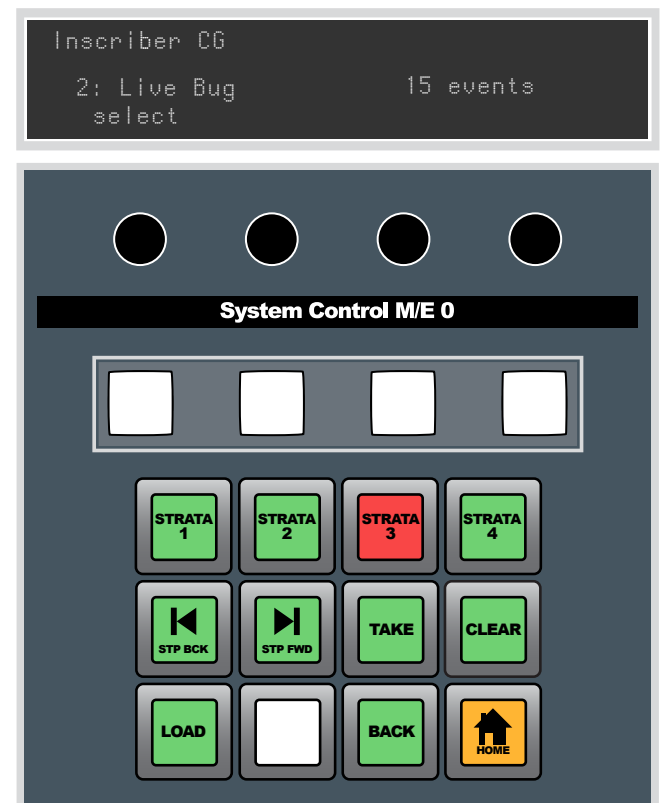# Atem™ / Inscriber® TitleOne™ XT

Tight integration delivers powerful workflow and production capabilities

Today's trend in video production is to have strong transition effects, multiple image compositions, and attractive multi-layered graphics. Normally, this is achieved with a large Multi-M/E (Mix/Effects) production switcher and multiple channels of Character Generation. The Harris® Atem™ coupled with an Inscriber® TitleOne™ XT produces sophisticated production elements with a smaller compact system. The Harris Atem features SuperSource™, a multi-image engine which allows up to four channels of Picture in Picture to be displayed in a single crosspoint. Stinger™, built into the transition block provides a simple workflow for incredibly strong transitions. Atem also has four upstream keyers and two downstream keyers giving all of the keying flexibility needed for use with the TitleOne XT. The TitleOne XT is a single channel, feature rich graphics system with Strata Compositing™. Strata Compositing allows the system to output separate layers of graphics on one channel, enabling a four channel workflow on a single channel system. The Atem – TitleOne XT integration lets the operator control up to four separate layers of graphics. This Integration coupled with the keying power of the Atem allows users to take full advantage of both systems to produce stunning content with a smaller, budget friendly system.

Operation:

The Inscriber CG interface on the Harris Atem control panel provides full control of up to four Strata layers on a Inscriber system. The interface can be used to load scribe lists and independently manage the Strata layers. When loading a scribe list, the number of events and name of each event is displayed. The knob can be used to scroll through all of the available events in the scribe list. Choose a Strata layer, select the event and take it to air from the Atem control panel. Atem keeps track of the current event on each strata so that the operator can independently step forward or backward through the events on each layer.
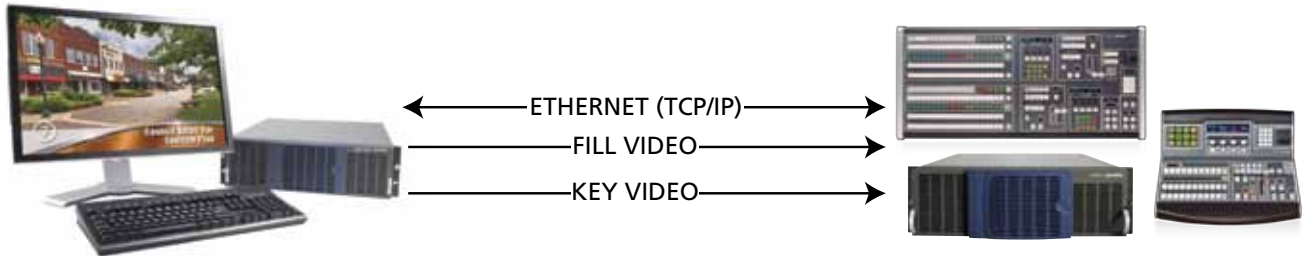

Inscriber CG interface on the Harris Atem control panel.

Connectivity:

The Inscriber TitleOne XT outputs a fill and key signal which is connected to Atem inputs. Standard Ethernet is used for integration information between the TitleOne XT and the Atem.

ETHERNET (TCP/IP)
FILL VIDEO
KEY VIDEO

Example Compositions:

In the composition below the wings (often used to show Standard Definition video in an HD frame), the live bug and the lower third are on different Strata layers. The technical director is controlling the wings and live bug from the Atem control panel while the CG operator is controlling the lower third on the TitleOne system. The TitleOne XT integration on Atem allows us to achieve this by using only one key channel and one graphics system. In a traditional environment this composition would require three keyers and an additional graphics system. The Atem system still has all of it's other resources, including media players, that can be used to build the next shot or add to this composition.

The composition below takes advantage of the SuperSource feature in the Atem production switcher. The four boxes in the composition below are provided by SuperSource and the TitleOne XT is providing the animated background graphic along with the other elements via Strata layers. In a traditional environment this type of composition would require a multi M/E switcher and multiple graphics systems. The TitleOne XT supports ODBC, spreadsheets, and RSS feeds, so that the tickers can contain data from external sources.

For more information, please visit www.broadcast.harris.com.