



[AutoFrame]

TR-XT in the Frame

AutoFrame adds the capability of automatic face tracking to the TR-XT control system. Face tracking is not new, we are all familiar with the ability of even the simplest of PTZ cameras to identify and track a face. To hold a frame accurately is easy, holding it smoothly and naturally as presenters and inexperienced guests move during conversation, is more difficult.

AutoFrame makes this possible by combining face tracking algorithms with subtle adjustments for response delays, accelerations, and decelerations in motion while tracking.

As always with Shotoku systems the focus is on combining advanced performance and reliability with the simplest of set-ups and operation. AutoFrame requires only a minimum of selection and setup choices, the rest is automatic. So much so that it can even initiate tracking without any human intervention; recall the shot and start tracking immediately in one operation.

Tracking can be based on a single face, or two faces simultaneously, maintaining appropriate overall framing in interviews. Furthermore, all tracking selections can be carried out by an external automation system so, where appropriate, productions can be run without any dedicated robotics operator at all—even on shows where on-air re-framing may still be expected. That said, human intervention is always possible whenever the need arises – AutoFrame will immediately disengage if an operator takes over control of the camera or if tracking becomes impossible to maintain in an acceptable way to the viewer. Status information is always displayed showing how AutoFrame is operating at any time.

APPLICATIONS

NEWS/SPORTS

PARLIAMENTS

VIRTUAL REALITY

AutoFrame is tightly integrated with TR-XT but is effectively a separate system, meaning that it is able to work with other Shotoku controllers such as those used in parliamentary applications. It also means AutoFrame can easily be added to any TR-XT installation new or old, large or small.

Each AutoFrame system can simultaneously track on four live cameras and multiple systems can be added to increase that capacity at any time.

TR-XT's wealth of features and advanced operational capability combined with AutoFrame automatic face tracking, offers any live TV broadcaster the chance to expand the use of robotics without compromising on production quality whilst keeping costs firmly under control.

