



T-Cam Camera Tracking



Description

The T-Cam Camera Tracking package is a complete and out-of-the-box solution for conference camera tracking. It allows straight-forward installation, fast configuration and integration of a camera tracking system with any Televic Conference system. The T-Cam solution controls up to 4 3G-SDI cameras¹.

By combining hardware and software, the T-Cam solution makes it easy to use and control cameras. Installers can quickly set up cameras, create talking heads, automatically switch the camera between participants, and even add a participant's name as an overlay² on top of the image. The end result is a package that *makes camera integration plug and play*.

The T-Cam Camera Tracking Solution comes in 3 different packages.

Packages

1. Basic T-Cam Package [71.98.1300]:

The basic package contains everything you need for a basic camera tracking set-up:

- ▶ 2 3G-SDI Cameras
- ▶ Camera interconnection cables
- ▶ Capture card: Blackmagic DeckLink Mini Recorder
- ▶ Video switcher: Blackmagic ATEM TV Studio
- ▶ T-Cam Software: PC software with a license for control of 2 cameras

2. T-Cam Camera & License [71.98.1301]:

This package adds another camera and a camera license. Up to 2 packages may be ordered for a maximum of 4 cameras.

- ▶ 1 3G-SDI Cameras
- ▶ Camera interconnection cables
- ▶ 1 license for one additional camera

3. T-Cam Name Overlay [71.98.1302]:

This add-on allows an overlay to be added onto the video output by using an additional capture card.

- ▶ 1 license for name overlay
- ▶ Capture card: Blackmagic DeckLink Mini Recorder

Important:

- The names for the video overlay come from the CoCon delegate database.
- Since a second capture card is required, a PC with 2 PCI slots is required, too.
- Finally, CoCon Discussion is mandatory, as well.

¹ The basic package includes 2 cameras by default. One additional license required for each additional camera.

² Available as an add-on in the *T-Cam Name Overlay* package.

Global Features

T-Cam is built for seamless integration with Televic Conference systems and allows a number of features out of the box.

- Integrates perfectly with D-Cerno, Plixus engine (Embedded Room Server), CoCon, and Confidea G3
- Creation of a synoptic for easy configuration of camera positions
- 2 shots per seat
- 2 shots for the wide shot
- Multiple seat configurations immediately available for flexible seating arrangements
- Configuration of camera positions can be done with the software or with a USB-joystick (not included in any of the packages)
- Manual switch to HDMI input for static input (e.g.: presentation laptop)
- 15× Optical zoom on cameras
- Software may be upgraded to webcasting software

Product Features

Full HD PTZ Camera

Camera

The T-Cam is a dynamic PTZ camera ideally suited for conference room settings. With Full HD 1080p output at 60 fps, the camera provides excellent images. Additionally, the 15× zoom, outstanding white balance, and exposure mode bring even the smallest details into focus, especially in darker conference rooms where lighting conditions may be poor.

With a wide viewing angle (horizontal -170° to +170°, tilting up to 90° and down to -30°) and fast response and smooth operation, the camera captures every move securely.

Finally, the 3G-SDI interface allows for crystal-clear and uncompressed video without delays. Combined with Televic Conference's Plixus network, working with high-quality, lip-synced video becomes a joy.

Blackmagic DeckLink Mini

Capture Card

Blackmagic ATEM Television Studio

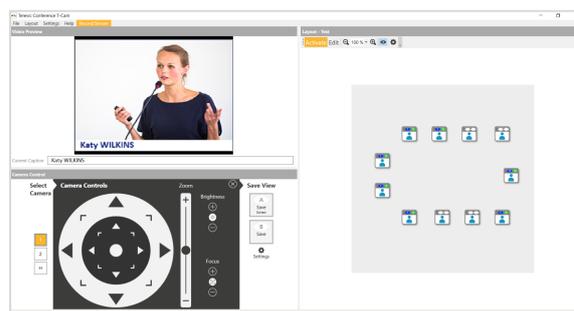
Video Switcher

The Blackmagic ATEM video switcher puts a host of video switching options easily at your fingertips. It includes 6 video inputs with both broadcast SDI and consumer HDMI inputs, making it ideal for use with the T-Cam cameras.

T-Cam Camera Control

Software

Configure camera positions, assign name overlays (separate license required), set up 2 shots per seat, wide shots, etc. Manual override is available.



System Requirements

Recommended PC requirements:

- Desktop PC with at least 1 PCI slot. 2 PCI slots, if both preview and overlay are required.
- Windows 7, 8 and 10 supported
- Serial COM port (USB to Serial converter can be used as well).

Standard USB joystick can be connected for camera control. Recommended joystick: Axis T8310.

Specifications

Mechanical	
Size (mm)	174 x 186 x 182.7
Weight (g)	2000
Technical & Electrical	
Sensor	1/2.8" 2 MP CMOS
Video Output	1080p 60 / 59.94 / 50 / 30 / 29.97 fps, 1080i 50 / 60 fps, 720p 60 / 59.94 / 50 fps, 720p 30 / 25 fps, NTSC / PAL
Optical Zoom	15×
Panning Angle	-170° ~ +170°
Tilting Angle	-30° ~ +90°
Preset Positions	128
Video Output(HD) Interface	Component, DVI, 3G-SDI
Video Output(SD)	CVBS (C-Video)

Interface	
Camera Control Interface/Protocol	RS-232 / RS-422
Video S/N Ratio	> 50dB
Shutter Speed	1/1 ~ 1/10,000 sec
Focal Length	f = 4.7 ~ 70.5 mm
Horizontal Viewing Angle	63°
Aperture	F1.6 ~ 3.5
Minimum Illumination	1.64 lux (F1.6, 50 IRE, 30fps)
Minimum Object Distance	100(Wide) ~ 1000(Tele) mm
Digital Zoom	12x
Gain Control	Auto, manual
White Balance	Auto, indoor, outdoor, one-push, manual
Exposure Control	Auto, manual
Focus System	Auto, manual
Image Flip	Yes

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 Leo Bekaertlaan 1 · 8870 Izegem · Belgium
 Tel. +32 51 30 30 45
 Fax +32 51 31 06 70
 E-mail: conference@televic.com
 Web: <http://www.televic-conference.com>
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Connections

