StypeKit

WWW.STYPE.TV

CAMERA TRACKING



FOR XR, AR, VR PRODUCTION IN TV AND FILM





EMMY® AWARDS



STYPEKIT - INTRODUCTION

StypeKit is a camera-tracking add-on for cranes which effectively turns 'old cranes' into modern Virtual & Augmented Reality systems. StypeKit is a fully mechanical system, suitable for indoor and outdoor use and doesn't require any modifications to your crane meaning it's suitable even for rented cranes. StypeKit is the product that originally made the brand "stYpe" known around the world, for a good reason. If you need to track a crane, StypeKit is probably the solution you've been looking for.

USE ON TV SETS

Like RedSpy, StypeKit is trusted by renowned TV stations around the world such as the BBC, FOX, SKY and others. Camera tracking by StypeKit or RedSpy lets you include Virtual or Augmented Reality effects to your set and make your scenes come alive. Virtual effects are especially fitting for big election, sports and e-sports shows and live entertainment events like concerts or ceremonies. StypeKit integrates seamlessly with all standard rendering engines, and also supports direct integration with Unreal engine via our special plugin.

USE ON **FILM** SETS

StypeKit, like RedSpy, is used to introduce real-time previsualizations for film scenes which include virtual elements. Seeing virtual elements in real-time makes it easier for your staff and actors to play their role more naturally than if they were relying just on their memory and imagination. StypeKit's tracking data can be saved in FBX and XML file format, along with LTC timecode and lens distortion data. You can use this saved data later, which means you have information about all of the camera movements, as well as zoom and focus data. This makes post-processing a much easier task. StypeKit integrates with Maya and Unreal engines via our proprietary plugins.



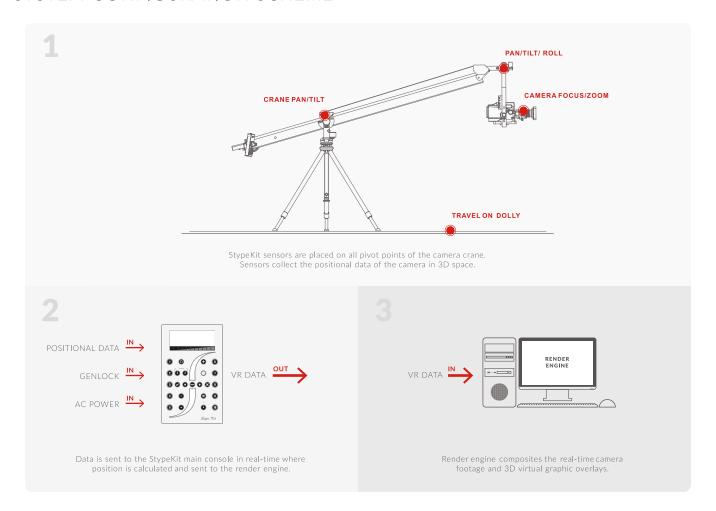
STYPEKIT CONSOLE - CONNECTORS



1	USB	2	LTC
	Mini USB connector used to connect with PC for firmware upgrade		Used to receive SMPTE timecode data via BNC connector
3	HEAD SENSORS	4	POWER SUPPLY
	12 pin Hirose female connector for connection with encoder set		Standard 3 pin XLR for 24V power supply connector for connecting with power supply
5	SENSORS	6	HEAD CABLE
	12 pin Hirose female connector for connection with encoder set		24 pin AMP plug for connecting with head 24 pin cable
7	JOYSTICK	8	SYNC
7	JOYSTICK 16 pin AMP plug for connecting with Stanton joystick and zoom/focus handle	8	SYNC BNC connector for connecting BlackBurst or Tri-level Genlock signal
7		10	BNC connector for connecting BlackBurst or Tri-level
	16 pin AMP plug for connecting with Stanton joystick and zoom/focus handle		BNC connector for connecting BlackBurst or Tri-level Genlock signal
	16 pin AMP plug for connecting with Stanton joystick and zoom/focus handle		BNC connector for connecting BlackBurst or Tri-level Genlock signal ZOOM/ROLL Used to connect Roll joystick when the roll axis is



SYSTEM CONFIGURATION SCHEME



TECHNICAL SPECIFICATIONS TABLE

RECALIBRATION TIME AFTER POWER UP	Automatic (no recalibration needed)
DATA OUTPUT	via ETHERNET (UDP) or SERIAL (RS-422)
CAMERA TILT/PAN ANGLE	360 degrees
DATA RECORDING	Suported in FBX format. For post processing requirements.
ENCODER INPUT (8 CHANNELS)	Pan, Tilt, Zoom, Focus, Dolly
SUPORTED LENSES	Canon digital (cable), Fujinon digital (cable), other lenses (with external encoder)
PROTOCOLS	FREED, STYPE A5, STYPE HF
SUPPORTED ENGINES	Vizrt, Avid, Xpression, Pixotope and others.
DOLLY TRACK LENGHT	13/30 meters
DRIFT	System does not accummulate any drift.



CANON LENSES DIGITAL PROTOCOL	Yes
FUJION LENSES DIGITAL PROTOCOL	Yes
AUTO AIMING	Yes
AUTO FOCUSING	Yes
DATA RECORDING FOR POST PROCESSING	Yes
INPUT POWER	24V
POWER CONSUMPTION	50W
KITWEIGHT	13KG

CRANE PAN RESOLUTION	524,288 per 360 DEG
CRANE TILT RESOLUTION	524,288 per 360 DEG
HEAD PAN RESOLUTION	524,288 per 360 DEG
HEAD TILT RESOLUTION	524,288 per 360 DEG
HEAD ROLL RESOLUTION	524,288 per 360 DEG
DOLLY RESOLUTION	31,066 PULSESPERM
ZOOM ENCODER RESOLUTION	~8,500 PULSES

COMPATIBLE CAMERA CRANES

Cam/ Syst	CamMate [®] Systems		SUPER TECHNO	HUMAN CRANE BY STYPE
2000 SERIES	TRAVEL SERIES			
2012 CRANE REACH 7,3FT (2.21M)	T1 REACH 5FT (1.52M)	TRIANGLE STANDARD (PRO) REACH 6FT (1.8M)	SUPERTECHNO 20 (TELESCOPIC)	HUMAN CRANE BY STYPE REACH 6.56FT (2M)
2018 CRANE REACH 13FT (4.17M)	T15 REACH 9FT (2.74M)	TRIANGLE GIANT (PRO) REACH 12FT (3.6M)	SUPERTECHNO 30 (TELESCOPIC)	HUMAN CRANE BY STYPE REACH 9.84FT (3M)
2024 CRANE REACH 20,1FT (6.12M)	T18 REACH 13FT (3.96M)	TRIANGLE SUPER (PRO) REACH 17,7FT (5.4M)	SUPERTECHNO 50 (TELESCOPIC)	HUMAN CRANE BY STYPE REACH 13.12FT (4M)
2032 CRANE REACH 26,6FT (8.08M)	T21 REACH 17,5FT	TRIANGLE SUPER PLUS(PRO) REACH 24FT (7.3)		HUMAN CRANE BY STYPE REACH 16.40FT (5M)
2039 CRANE REACH 32,11 FT (10,03M)	T25 REACH 21FT (6,40M)	TRIANGLE EXTREME(PRO) REACH 30FT (9.1M)		HUMAN CRANE BY STYPE REACH 19.68FT (6M)
2043 CRANE REACH 39,4FT (11,99M)		TRIANGLE 12 METER(PRO) HEIGHT 40FT (12M)		HUMAN CRANE BY STYPE REACH 22.96FT (7M)
2050 CRANE REACH 45,9FT (14M)				OTHER LENGHTS AVAILABLE ON REQUEST

OTHER CAMERA CRANES ARE AVAILABLE ON REQUEST. DELIVERY TIME IS FROM 2-4 WEEKS.

OPTION: EVERY CRANE CAN BE PUT ON TRACKS



SUPPORTED LENSES



CANON DIGITAL CABLE

Ability to read the data from the virtual encoder. If no virtual encoder is installed it can read data over serial protocol.

Suitable for IASE, IRSE and Box lenses.



FUJINON DIGITAL CABLE

Ability to read the data from the virtual encoder. If no virtual encoder is installed it can read data over serial protocol.

Suitable for Portable and Box lenses equipped with Virtual Connector.



OTHER LENSES

stYpe external Zoom and Focus encoders can be easily mounted on lenses which do not have internal encoders.

Canon and Fujinon gears are shown here.



COMPATIBILE RENDER ENGINES













































PLEASE CONTACT US FOR MORE INFORMATION

> WEBSITE www.stype.tv

> > E-MAIL hi@stype.tv







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ENGINEERING, SCIENCE & TECHNOLOGY

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