

# FURIO



Furio SE Live | A Different Perspective

**ROSS**

Production Technology Experts

#### UPDATE YOUR VISUAL STYLE

The Furio SE Live fulfills your needs for a robotic camera system to deliver breathtaking shots that capture the dynamic energy of live performances in fresh and exciting ways. By combining speed and acceleration with unrivaled smoothness and stability, Furio SE Live opens up new opportunities for creativity previously unattainable with conventional robotic camera systems.

Featuring an advanced dolly system that can reach speeds of up to 3 m/s along precision extruded aluminum rails, Furio SE Live delivers incredibly smooth “on air” traveling shots, creating the most dynamic, yet perfectly fluid images possible for your shows.

With 6 highly responsive, remotely controlled axes, you only need one camera person for maneuvering Furio SE Live around the stage, capturing unique camera angles that would normally only be possible with multiple camera systems and operators.

The intuitive remote controls offer you the freedom to locate your camera in places that are typically inaccessible to an operator. You can control Furio SE Live from up to 50 m (164 Ft) away.

All these powerful capabilities enable creative directors to deliver original, spectacular and more captivating content in a reliable, consistent and cost-effective manner with Furio SE Live.

#### ENHANCE YOUR COMPETITIVE EDGE

Furio SE Live has the potential to greatly enhance your productivity, visual quality and production efficiency—both large and small. Furio SE Live creates high quality images and requires fewer resources than traditional systems. These cost-savings, combined with increased revenues from advertisers and sponsors, directly promise improved financial results for you.

The Furio has become the de-facto standard for motorized dolly systems in live broadcast environments around the world and is used in a variety of award-winning entertainment shows.

#### DELIVER RESULTS

- Produce better quality images for your shows due to superior smoothness and stability with a system that is also fast and easy to setup and configure.

#### OPTIMIZE EFFICIENCY

- Capture all the action with just a single system where you usually require multiple cameras and operators.

#### GET CREATIVE

- Make shots you only dreamed of due to the speed and acceleration of the system, along with remote capabilities to locate your camera in places that were previously be impossible.



# FURIO

| Vantage Point.

### BENEFIT FROM FURIO SE LIVE TECHNOLOGY

Furio SE Live consists of a motorized dolly, a telescopic lift, a pan/tilt camera head, and a set of operator controls. With fully digital and network controlled servo motors, Furio SE Live offers a single operator the capability to control track, lift, zoom, focus, pan and tilt — even from a remote distance of up to 50m / 164'. The track and lift functions are operated by foot pedals while the remote head is controlled by either a Joystick or a PanBar. The system is designed to operate quietly and with precision, even at high speeds.

### FURIO SE LIVE IS A MODULAR SYSTEM

A Carbon Fiber Telescopic lift (up to 2.2 m / 7'3" with an elevation range of 87 cm (34"), or no riser at all (camera directly on the dolly - 60 cm / 1'11" at its lowest point), can be tailored to each of your productions, and has the flexibility to adapt to a wide variety of venues.

Furio SE Live shares the same Dolly and Lift with Furio SE Studio, so one can be converted to the other, or vice-versa through a quick reconfiguration, and by adding the right Pan / Tilt head and controls.

### FURIO SE LIVE IS EASY TO SET UP

Dual-switched DC power supplies automatically detect and switch between 110 V and 220 V, offering global compatibility without reconfiguration.

Ergonomic top and bottom handles make lift installation on the dolly easy, from lifting it out of the flight case to mounting it on the dolly. Upper handles provide both vertical and horizontal hand-holds for extra versatility, and have been carefully sculpted to ensure cables never snag.

A blind mate electrical connection between the lift and dolly simplifies lift installation and protects cables and connectors from damage. All other cables are kept neat and tidy, due to a built-in power bar that distributes mains power for cameras and accessories, and integrated cable management features that allow cables to be safely tied to the dolly and lift.

Rain-cover hooks on the dolly permit a third party rain-cover to be installed, allowing the system to be used in outdoor venues, even in light rain conditions.

| Sight Control.

### FURIO SE LIVE IS ROBUST FOR DAILY USE

All electrical circuits are contained in two Field Replaceable Units (FRU), which simplifies fault management, servicing, and replacement. The FRUs have a complete array of status LEDs to aid diagnosis.

Self-recovering over-current detection and indication on all electrical ports protects electrical circuits and simplifies diagnosis.

The Carbon Fiber lift tube construction with linear guides minimizes weight while maintaining exceptional strength and linearity.

Designed and engineered with a host of details that puts it in a class of its own, it is easy to set up, and even easier to use. **Reliable and robust, it produces results for you from day one.**



| Fast, Smooth, and (Noise) Free.

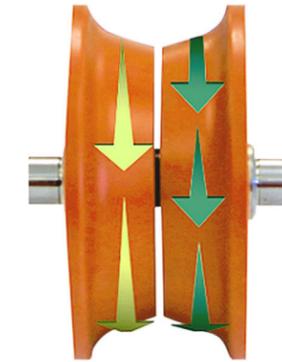
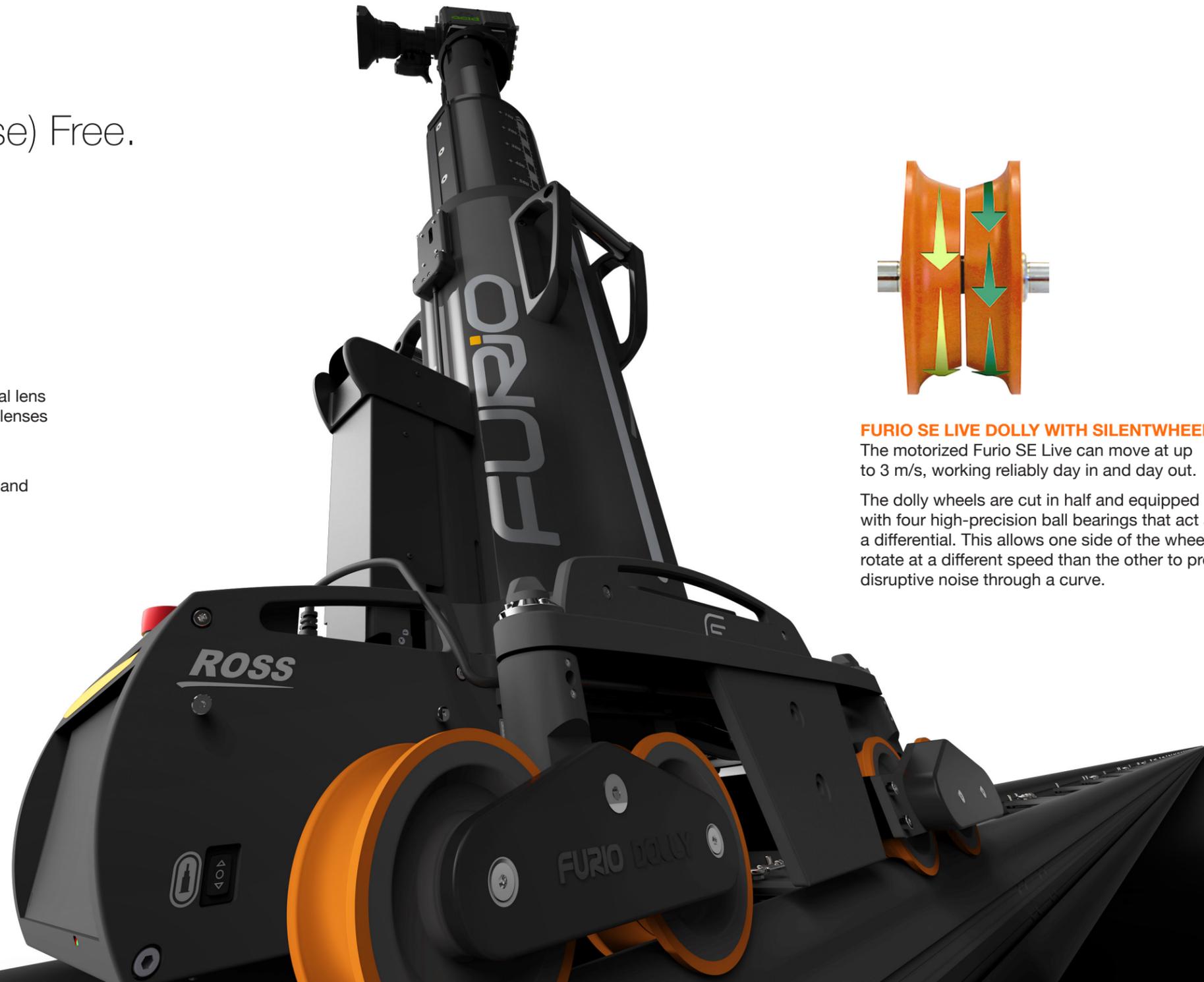


**FURIO LIVE PAN / TILT HEAD**

Fast, accurate, and easy to set up.

With interfaces to Fujinon and Canon analog and digital lens drives, Furio Live supports the majority of broadcast lenses available today.

Using an integrated balancing plate and quick-lock adjustments, the Furio Live head is fast (180 deg/sec) and easy to balance for a perfectly stable image.



**FURIO SE LIVE DOLLY WITH SILENTWHEELS™**

The motorized Furio SE Live can move at up to 3 m/s, working reliably day in and day out.

The dolly wheels are cut in half and equipped with four high-precision ball bearings that act as a differential. This allows one side of the wheel to rotate at a different speed than the other to prevent disruptive noise through a curve.

**FURIO SE LIVE TRACK**

Custom designed aluminum matte black track is back-lash free with pin and cone connections, providing a smooth, stable platform no matter what the condition of the underlying floor.

Track pieces are available in standard or custom-made straight lengths and curves of different radii to suit virtually any stage or set.

With a narrow track gauge of 36cm (14"), Furio SE Live is portable and can easily fit into small spaces.

Discrete and unobtrusive, it appears gracefully "on-air".



Outmaneuver the moment.

#### FURIO SE LIVE CONTROL

There are two choices of Furio RC Control Systems - PanBar Control and Joystick.

#### PANBAR CONTROLS

The most intuitive camera control system available today, the remote PanBar controls are instantly familiar to any camera operator. Based on an actual fluid head with adjustable drag, it also offers the ability to dial up or down the sensitivity, such that the same gentle swing of the arms could produce a slow pan, or a rapid sweep.

- Handle-mounted disable switch allows instant re-centering of the PanBar positioning.
- Dual LCD monitor supports permit the operator to monitor both preview and program.
- Integrated bubble level simplifies setup
- Comes complete with tripod, floor spreader, and flight case.

#### JOYSTICK CONTROLS

3-axis high precision joystick for accurate control of pan and tilt.

#### TOUCH SCREEN CONTROL CONSOLE

Combines on-screen menus with tactile knobs for quick configuration of system settings.

#### JOYSTICK CONTROLS FZ CONTROL BOX

Ergonomic and responsive controls provide accurate command of zoom and focus.

#### FOOT PEDALS

- Controls track (dolly) and telescopic lift while keeping operator's hands free for pan, tilt, zoom, and focus controls
- Progressive control provides precise positioning of Furio dolly.

#### JOYSTICK CONTROL

The Joystick Control system provides a flexible and responsive user interface for harnessing the power of the Furio SE Live. Featuring a compact modular design that makes it easy to adapt to personal preferences, the joystick controls are perfect for today's robotics operators.





On Tour?

### FLIGHT CASES

Furio SE Live comes packaged in a matched set of custom designed flight cases to provide care and protection when transporting your complete system.

#### Furio SE Live Joystick Flight Case set contains 3 cases for:

- Pan / Tilt Head, Joystick, Touch Screen and Focus / Zoom Controller
- SE Dolly
- SE Telescopic Lift

#### Furio SE Live PanBar Flight Case set contains 5 cases for:

- Pan / Tilt Head and Touch Screen
- SE Dolly
- SE Telescopic Lift
- PanBar and accessories
- Cartoni Tripod

## Ordering Information and Specifications.

FURIO SE LIVE SPECIFICATIONS	FURIO SE LIVE JOYSTICK	FURIO SE LIVE PANBAR
Max. NET payload	12 kg (26.4 lbs)	
Max. Pan / Tilt Speed	180 deg/sec	
Max. Track Speed	up to 3 m/s on straight track up to 1 m/s on curved track	
Max. Lift Speed	15 cm/s (6"/ sec)	
Cable Length between Furio and Controller	50m (164 ft)	
Max. Track Length	90m (295 ft)	
Min. & Max. Radius Curved Track	min. 3 m (10 ft.) / unlimited max	
Lift max. height optical camera center	2228 mm (87.7")	
Lift total range min/max	871 mm (34.3")	
Optical height with P/T head directly on dolly	600 mm (1'11")	
Lift payload	123 kg (270 lbs)	
Lenses supported	Canon & Fujinon – Analog & Digital	
Pan / Tilt Control System	Joystick	PanBar
Zoom / Focus Control System	Zoom / Focus box	Lens manufacturer remote controls
Dolly / Lift Control System	Foot-pedals	
Dolly Track width	36 cm (14.17")	
Dolly / Base (Length x Width x Height)	89 cm x 46 cm x 23 cm (34.9" x 18.0" x 9")	
Total System Weight with Lift	110 kg (242 lbs)	
Power Requirement	110VAC (10A) or 220VAC (5A) Auto-detect and Auto-switching	

FURIO SE LIVE FEATURES	FRC-JS-PKG1-SE	FRC-JS-PKG2-SE	FRC-PB-PKG1-SE	FRC-PB-PKG2-SE
Pan / Tilt Head	•	•	•	•
Telescopic Lift	•	-	•	-
Adapter plate to put head directly on dolly	•	•	•	•
SE Dolly	•	•	•	•
Power Supply Box	•	•	•	•
Touch Screen Console	•	•	-	-
Touch Screen Console with bracket for PanBar mounting	-	-	•	•
Number of Foot-pedals	4	2	4	2
Joystick Controls for Pan/Tilt	•	•	-	-
Focus / Zoom Control Box	•	•	-	-
PanBar Handles	-	-	•	•
Fluid-head with high-res Encoders	-	-	•	•
Pan / Tilt Disable button	-	-	•	•
Support for 2 LCD monitors	-	-	•	•
Cartoni Tripod with floor spreader	-	-	•	•
50m Control Cable	•	•	•	•
10m Cable Sock	•	•	•	•
50m Lens Cable	•	•	•	•
Canon / Fujinon lens adapters male (lens side)	•	•	•	•
Canon / Fujinon lens adapters female *	-	-	•	•
Number of flight cases included	3	2	5	4

• Included - Not Available

\* Lens adapters can be connected to external Zoom / Focus controls, provided by the lens manufacturer.



# FURIO

Ross Video has a complete range of technical services available to ensure that your Furio SE Live installation is a success.

**Operational Training** can be provided at Ross Video, on-site or on the web. Experienced Ross operators will teach your staff to get the most out of your new robotics system, and enhance your productions.

**Commissioning** is a service to help get your Furio SE Live system properly configured, connected and installed. This service is performed by factory trained Ross technical staff.

**Technical Training** can be provided at Ross Video, on-site or over the web. Technical training will teach your engineering staff the technical details of the system you have purchased. System configuration, interfaces, databases, and routine maintenance procedures are some of the topics covered.

Furio SE Live comes standard with a 1 year comprehensive warranty. **Extended Warranties** on hardware and software maintenance are available for an annual fee.

Technical advice is available on-line, by telephone, or email to Ross Video – **Included for the life of your system.**

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- Replay & Production Servers
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- Routing Infrastructure
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### SERVICES

- Creative Services
- Mobile Production

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