

FURIO



Furio Live | A Different Perspective

ROSS[®]
LIVING LIVE!

UPDATE YOUR VISUAL STYLE

Furio Live fulfills your needs for a robotic camera system that delivers 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 Live opens creative opportunities that were previously unattainable with conventional camera systems.

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

The intuitive remote controls offer the freedom to locate the camera in places that are typically inaccessible to an operator. With 6 highly responsive, remotely controlled axes, a single camera operator can maneuver Furio Live around the stage, capturing unique camera angles that would normally only be possible with multiple camera systems and operators.

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 Live.

ENHANCE YOUR COMPETITIVE EDGE

Furio Live has the potential to greatly enhance your productivity, visual quality and production efficiency—both large and small. Furio Live creates high quality images and require fewer resources than traditional systems. These cost-savings, combined with increased revenues from advertisers and sponsors, have the potential to directly improve your bottom line.

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 high quality images throughout your production with the superior smoothness and stability of a camera system that is also fast and easy to setup and configure.

OPTIMIZE EFFICIENCY

- Capture all the action with just a single system where you would otherwise 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 impossible.



FURIO
SMART EVOLUTION

| Vantage Point



BENEFIT FROM FURIO LIVE TECHNOLOGY

Furio Live is a modular system that consists of a motorized dolly, a telescopic lift, a pan & tilt head, and a set of operator controls. With fully digital and network-controlled servo motors, Furio Live offers a single operator the capability to remotely control, track, lift, zoom, focus, pan and tilt, while being discretely hidden off-stage. 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 LIVE IS A MODULAR SYSTEM

Furio Live can be setup in a variety of configurations, offering a choice of two telescopic lifts, a range of fixed risers, or no riser at all, where the camera is mounted directly on the dolly. These are then combined with the fast, responsive Live Head, and the high performance Furio SE Dolly. This allows Furio Live to be tailored to any production, with the flexibility to adapt to a wide variety of venues.

FURIO LIVE RISES TO THE OCCASION

The lightweight Carbon Fiber construction of the Furio SE Lift enables superior height and extension (up to 2.2 m (7' 3") tall with an elevation range of 87 cm (34")), while maintaining rigidity and improving stability of the system. Combined with its unique linear-guide design, this makes the Furio SE Lift the most stable, highest performing, and most reliable robotic lift on the market.

The Furio S2 Lift provides a more affordable option for customers who do not require the height and range of the SE lift, but are still looking for the ability to remotely vary the height of the camera. With a range of 48.3 cm (19"), the S2 lift uses the same linear guide design from the SE lift, ensuring long term stability and reliability, with zero maintenance.

FURIO LIVE IS EASY

The foundation of the Furio's success is the SE Dolly, which provides a fast, smooth-rolling platform for the lift and head. Loaded with smart features, the SE dolly is easy to setup, easy to maintain and safe to operate.

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

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.

Ergonomic top and bottom handles on the SE Lift make installation atop the dolly easy. Upper handles provide both vertical and horizontal hand-holds for extra versatility, and have been carefully sculpted to ensure cables never snag.

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

FURIO LIVE IS ROBUST FOR DAILY USE

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 delivers results for you from day one.

All electrical circuits are contained in a Field Replaceable Unit (FRU), that 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.

Both the SE and S2 lifts feature linear guides that ensure exceptional strength and linearity, without the need for periodic realignment or other maintenance.

| Fast, Smooth, and (Noise) Free



| Outmaneuver the moment.

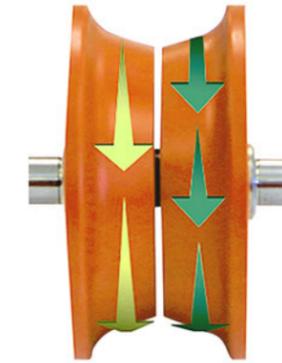
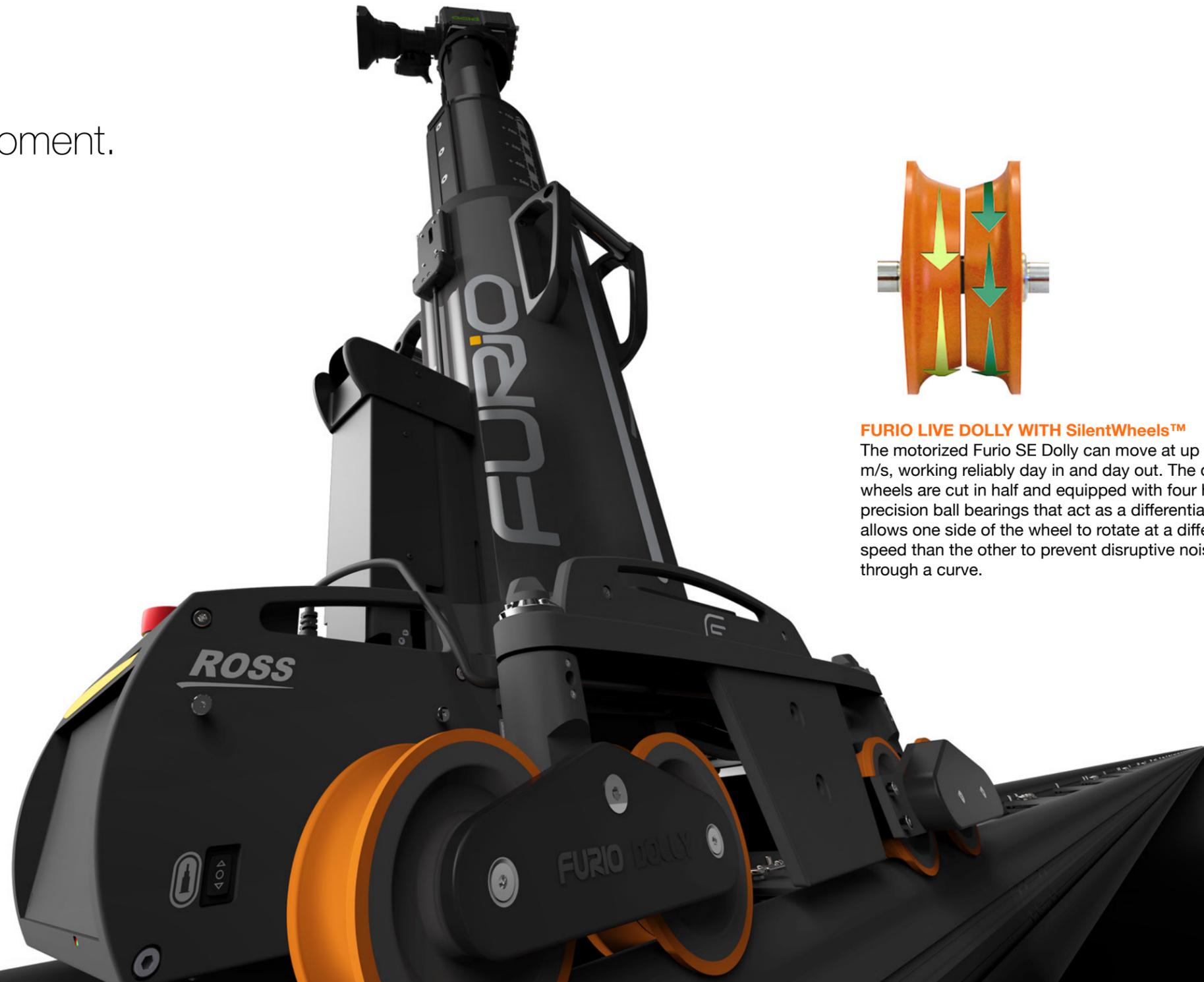


FURIO LIVE PAN / TILT HEAD

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 for both Pan and Tilt) and easy to balance for a perfectly stable image.



FURIO LIVE DOLLY WITH SilentWheels™

The motorized Furio SE Dolly 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 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 Live is portable and can easily fit into small spaces. Discrete and unobtrusive, it appears gracefully "on-air".



Sight Control.

FURIO LIVE CONTROL

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

PANBAR CONTROL

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 CONSOLE

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

FZ BOX

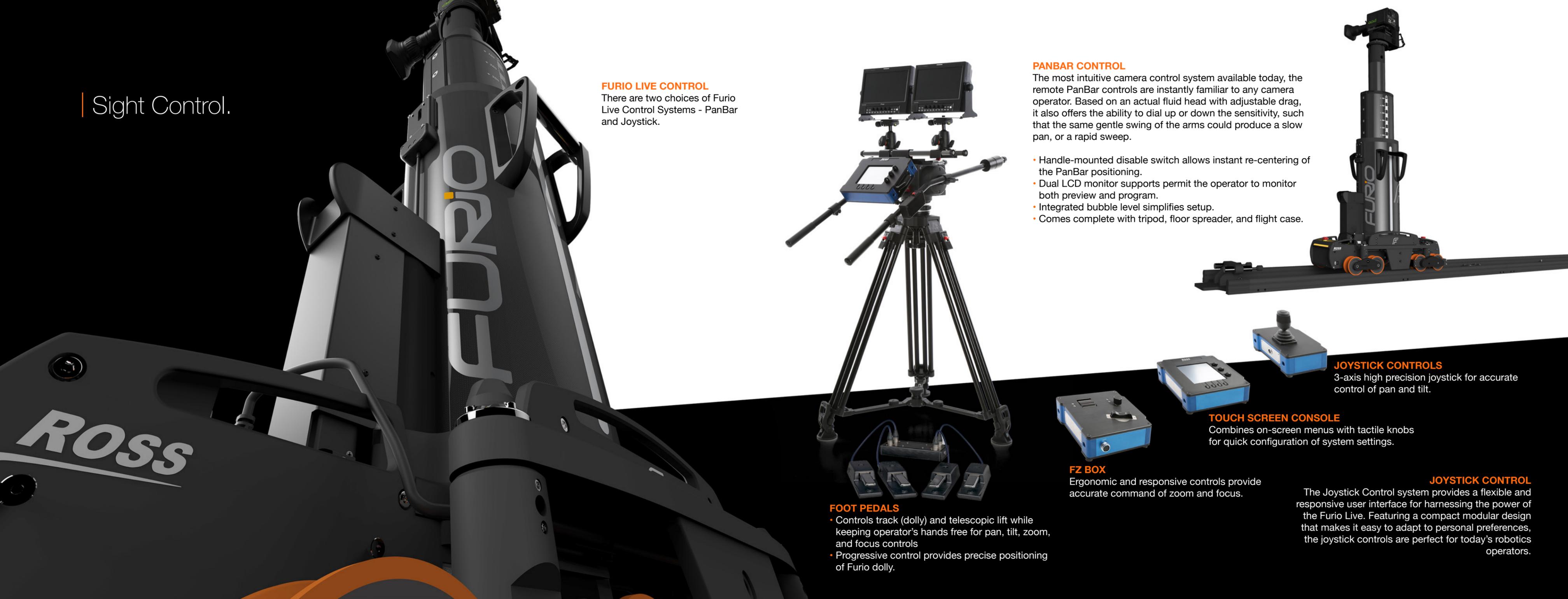
Ergonomic and responsive controls provide accurate command of zoom and focus.

JOYSTICK CONTROL

The Joystick Control system provides a flexible and responsive user interface for harnessing the power of the Furio 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.

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.



FLIGHT CASES

Furio Live comes packaged in a stackable set of custom designed flight cases to provide care and protection when transporting your complete system. Lift and dolly cases include casters for portability, while all cases have a 22.5" x 45" (57 cm x 114 cm) footprint, for efficient loading in a standard 90" (229 cm) wide truck.

Furio Live Joystick Flight Case set contains 3 cases for:

- Pan / Tilt Head, Joystick, Touch Screen and Focus / Zoom Controller
- SE Dolly
- SE Telescopic Lift or S2 Telescopic Lift

Furio Live PanBar Flight Case set contains 5 cases for:

- Pan / Tilt Head and Touch Screen
- SE Dolly
- SE Telescopic Lift or S2 Telescopic Lift
- PanBar and Accessories
- Cartoni Tripod

On Tour?



Ordering Information and Specifications

FURIO LIVE SPECIFICATIONS	FURIO LIVE WITH SE LIFT	FURIO LIVE WITH S2 LIFT
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)	12.5 cm/s (5"/ sec)
Cable Length Between Furio and Controller	50m (164 ft)	
Max. Track Length	90m (295 ft)	
Min. & Max. Radius Curved Track	Min. 3.00m (9.8 ft) centerline external rail / unlimited Max. : - Corresponds with min. 2.64m (8.6 ft) centerline internal rail - Any radius and section can be custom built	
Lift Max. Height Optical Camera Center	2228 mm (87.7")	1757mm (69.2")
Lift Total Range Min / Max	871 mm (34.3")	483 mm (19.0")
Optical Height with P/T Head Directly on Dolly	600 mm (1'11")	
Lenses Supported	Canon & Fujinon – Analog & Digital	
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")	
Power Requirement	110VAC (10A) or 220VAC (5A) Auto-detect and Auto-switching	

FURIO LIVE FEATURES	FRC-JS-PKG1-SE	FRC-JS-PKG1-S2	FRC-JS-PKG2-SE	FRC-PB-PKG1-SE	FRC-PB-PKG1-S2	FRC-PB-PKG2-SE
Pan / Tilt Head	•	•	•	•	•	•
Telescopic Lift	SE Lift	S2 Lift	-	SE Lift	S2 Lift	-
Adapter Plate to Put Head Directly on Dolly	•	•	•	•	•	•
SE Dolly	•	•	•	•	•	•
E-Stop Box	•	•	•	•	•	•
Touch Screen Console	•	•	•	•	•	•
Number of Foot-pedals	4	4	2	4	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	•	•	•	•	•	•
2m and 10m Cable Sock	•	•	•	•	•	•
50m Lens Cable	•	•	•	•	•	•
Canon / Fujinon Lens Adapters Male (lens side)	•	•	•	•	•	•
Canon / Fujinon Lens Adapters Female (control side)	-	-	-	•	•	•
Number of Flight Cases Included	3	3	2	5	5	4

● Included - Not Available

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



ROSS VIDEO Production Technology Experts

MOTION GRAPHICS

XPRESSION | Single, Triple, UHD Flex, Prime, Go!, Designer, Developer
XPRESSION CLIPS
XPRESSION TESSERA
XPRESSION MAPS
XPRESSION TELESTRATE
XPRESSION TOUCH FACTORY
XPRESSION BRAND IT



CREATIVE SERVICES

ROCKET SURGERY | Graphics Creation



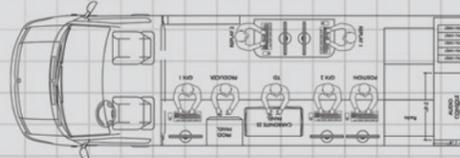
STUDIO IN A BOX

GRAPHITE | All-in-One Live Production Vehicle



OPENTRUCK

OPENTRUCK | Flight Case through 40-foot Truck Designs



PRODUCTION SERVICES

ROSS MOBILE PRODUCTIONS



ASSET MANAGEMENT

STREAMLINE | Standard, Enterprise
STREAMLINE.CLOUD



CAMERAS

ACID CAMERA | H200-UCHR, Z50-UCHR
PIVOTCAM | PIVOTCam-20



MULTI-SCREEN IMAGE PROCESSING

CARBONITE MOSAIC



CHROMA KEYING

ULTRACHROME HR



NEWS & SOCIAL MEDIA

INCEPTION NEWS | Academic, Express, Standard, Enterprise
INCEPTION LIVE
INCEPTION SOCIAL
INCEPTION.CLOUD
HORIZON



CONTROL SYSTEMS

OVERDRIVE | Express, Prime, Premium
OVERDRIVE + GRAPHITE
DASHBOARD
LIGHTNING CONTROL SYSTEM



PRODUCTION SWITCHERS

ACUITY | Panel: A1s, A2m, A2x, A3m, A3, A4 Frame: 4RU, 8RU
CARBONITE BLACK | Panel: C1, C1s, C2, C2s, C3s, C3x Frame: 2RU
CARBONITE BLACK PLUS
CARBONITE BLACK PLUS 12G
CARBONITE BLACK SOLO
CARBONITE BLACK SOLO 13
ACUITY & CARBONITE IP SOLUTION



ROBOTICS

FURIO SE LIVE | Live Head, SE Dolly and SE Lift; PanBar and Joystick Controls
FURIO SE STUDIO | VR100, VR600 Heads; SE & S2 Lifts; SE BlackBird; VRO | Manual Fluid Head with Tracking
CAMBOT | 520PT, 600PT, 700PT Heads; 600 BlackBird; 600XY & 700XY Free-Roaming Peds
SMARTSHELL | Robotic Camera Control System



VIDEO SERVERS, REPLAY & DELAY

ABEKAS MIRA | Replay Systems
ABEKAS TRIA | Production & Clip Servers
ABEKAS TRIA NEWS | News Clip Server
ABEKAS AIRCLEANER | Live Events Delay



INFRASTRUCTURE

ULTRIX 12G & IP ROUTER | 16x - 144x
NK ROUTER | 16x4 - 144x144
OPENGEAR | Modular Signal Processing, OGX Frame
MASTER CONTROL | MC1 openGear Card, MC1 Panel
NIELSEN | Watermarks Encoder



GATOR | 12G UHD Signal Processor
RAPTOR EDGE | IP Gateway & Processor
NEWT | IP Point of Use Gateway
GEARLITE | Point of Use Signal Processing
AUDIO MONITORING | MB 651, MB-652
MASTER SYNC & REFERENCE | SRG-2200, SRG-4400, ACO-4400



VIRTUAL & AUGMENTED REALITY

**TRACKLESS VIRTUAL
 UX VIRTUAL TRACKING SYSTEM
 FRONTIER**



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 system, and enhance your productions.

Commissioning is a service to help get your robotics 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.**

Contact Us

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www.rossvideo.com

ROSS VIDEO LIVE PRODUCTION EXPERTS

SOLUTIONS

- Broadcast & Production
- Augmented Reality & Virtual Sets
- Sport & Live Events
- Legislative
- Mobile Production
- House of Worship
- Education
- Corporate

PRODUCTS

- Production Switchers
- Motion Graphics & Clip Servers
- Replay & Production Servers
- Robotic & Camera Systems
- Control Systems
- Routing Infrastructure
- Signal Processing Infrastructure
- News, Live & Social Production Management
- Media Asset Management

SERVICES

- Creative Services
- Mobile Production

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