



FURIO *SkyDolly*



CEILING-MOUNTED ROBOTIC CAMERA SYSTEM

ROSS



Among the stars.



FURIO *SkyDolly*

ELEVATED VISUAL STYLE

The all-new ceiling mounted Furio SkyDolly combines legendary Furio performance, robustness, safety and easy-of-use with the advantages of a ceiling mounted rail system.

With the addition of the Furio SkyDolly, Furio customers can now benefit from the production advantages of spectacular overhead artistic scene captures, while keeping floors clear for greater flexibility in set design. All without sacrificing any of the smooth, dynamic and repeatable camera movements that Furio is famous for.

PRACTICAL PERFORMANCE

Just like with the Furio SE / S2, every detail of the SkyDolly has been carefully thought out, to ensure that it delivers much more than just artistic scene captures, with the ability to carry a full-sized prompter, it can also serve as the primary camera in the production.

SAFETY FIRST

SkyDolly builds on the safety features introduced on Furio SE by extending this philosophy to ceiling-mounted installations where the stakes are higher. Specifically designed to ensure that the dolly cannot fall from the sky, SkyDolly also includes tether points for every element of the system, including the payload. After all, you surely tether your lights – why wouldn't you do the same with a high speed robotic camera system? This is just one of the many reasons that SkyDolly is the safest ceiling-mounted system ever.

EASY INSTALLATION

Suspending, leveling, and securing hundreds of kilograms of trusses, rails, cables, and other accessories 3 or 4 meters above the ground is far more complex than laying track on the floor. This is why we designed every element of the system – from the way we suspend the rails and attach them to the trusses (which we provide), to the very dolly itself – to ensure that the system is easy to install and level while also being as forgiving as possible.

VIRTUAL VIRTUOSO

As anyone would expect from the world's leading rail based robotic camera system, tracking a ceiling mounted camera for Virtual Sets or Augmented Reality, has never before been so easy, reliable and accurate, thanks to Furio's proven absolute encoders.

FULLY COMPATIBLE

The Furio SkyDolly is compatible with the X350 and VR600 Pan/Tilt heads and can be combined with any Furio or CamBot system using the same SmartShell control system. It also shares the same field replaceable electronics unit with the Furio SE, which provides features such as integrated auto-sensing power supplies, over-current protection, and a full array of status LEDs. All other unique Furio features like the Furio API, Furio Moves and remote E-stops are standard on all Furio SkyDolly Studio systems. Furthermore, SkyDolly is also available in a Furio Live configuration – where it integrates seamlessly with the Live Pan & Tilt head, and Live remote control systems.

POWERED BY MOTION DIRECTOR

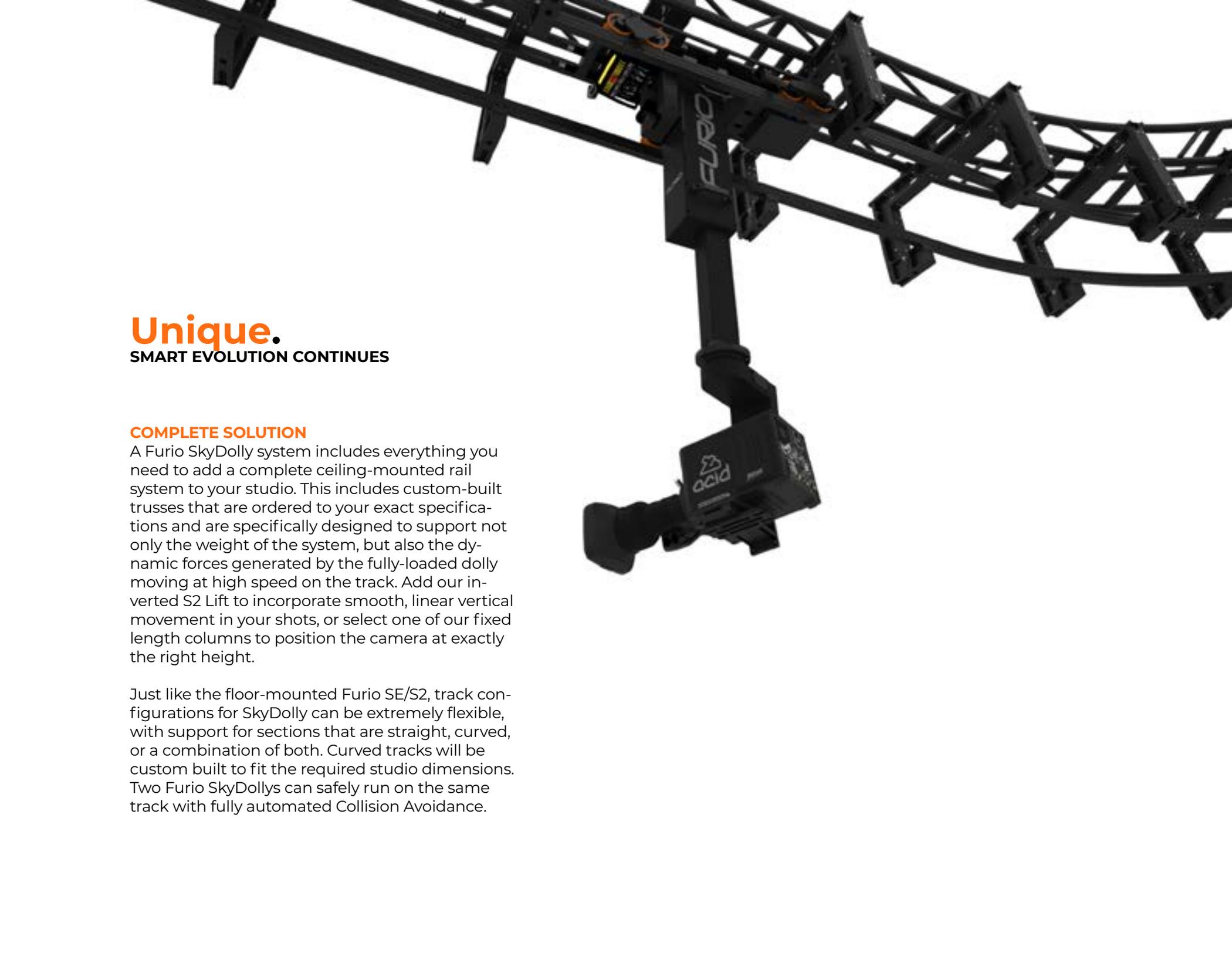
Furio SkyDolly unleashes the full power of MotionDirector, combining the unequaled beauty of naturally smooth and synchronized programmed movements, with the flexibility to make in-flight manual corrections from the joystick panel. Because the real-world can be unpredictable, and you need a robotic system that gives you the ability to adapt to everything it can throw at you.



Practical and Creative.

SkyDolly

FLURIO



Unique.

SMART EVOLUTION CONTINUES

COMPLETE SOLUTION

A Furio SkyDolly system includes everything you need to add a complete ceiling-mounted rail system to your studio. This includes custom-built trusses that are ordered to your exact specifications and are specifically designed to support not only the weight of the system, but also the dynamic forces generated by the fully-loaded dolly moving at high speed on the track. Add our inverted S2 Lift to incorporate smooth, linear vertical movement in your shots, or select one of our fixed length columns to position the camera at exactly the right height.

Just like the floor-mounted Furio SE/S2, track configurations for SkyDolly can be extremely flexible, with support for sections that are straight, curved, or a combination of both. Curved tracks will be custom built to fit the required studio dimensions. Two Furio SkyDollies can safely run on the same track with fully automated Collision Avoidance.



TRIDOLLY

To ensure that SkyDolly provides the most stable platform possible, we have completely redesigned the dolly. First, we have adopted a three-wheeled base that eliminates the possibility of instability or loss of traction resulting from an imperfectly leveled track. Second, we have extended the wheel base by 60% and widened the track by nearly 40%, virtually eliminating the potential for the dolly to rock on the tracks.



STAYING ON TOP

Unlike most other “hanging” dolly systems, Furio SkyDolly does not actually hang below the rails. This means that the entire weight of the dolly is above the rails, which helps to raise the overall center of mass as close to the rails as possible – minimizing the pendulum effect that creates unwanted swaying in other systems.

It is also much less likely that the dolly can fall to the ground – but just in case, we’ve added a second set of safety rails above the dolly to ensure that it cannot possibly derail and fall to the floor. Compare that to a hanging system, where if a wheel attachment fails, that increases the stress on the other wheels until one by one they all fail and the entire system comes crashing down.



CABLES MANAGED

The safety rails serve a dual-purpose. The first is to add security, and the second is to carry the low-noise cable-management trolleys that keep the cables neatly coiled up and out of the way of the camera. The trolleys are split between the two rails, which cuts the total length of track required for cable management in half. Furthermore, the safety rails are positioned between the main transport rails thus, minimizing the overall footprint of the system.



Silky-smooth and quick.

WITH THE ADDITION OF SKYDOLLY, FURIO CUSTOMERS CAN NOW BENEFIT FROM THE PRODUCTION ADVANTAGES OF CEILING-MOUNTED CAMERAS:

- Creating spectacular overhead artistic scene captures.
- Clearing (valuable) floor-space.
- Adding flexibility in options for set design.

ALL WHILE MAINTAINING THE UNIQUE BENEFITS OF FURIO FLOOR-MOUNTED SYSTEMS:

- Consistently smooth, dynamic and natural-looking camera movements, driven by Motion Director.
- The unparalleled flexibility of in-flight joystick bumping and duration adjustments.
- The capacity to carry a full-sized prompter – allowing it to serve as the main camera.
- Accurate and repeatable absolute tracking data for hyper-realistic VS/AR.
- Unmatched safety features that minimize risks.
- Infinite rail and dolly configurations, custom-made to fit in any studio.

Furio Skydolly Specifications

	X350	VR600
MAX. NET PAYLOAD	6.8 kg (15 lbs)	30kg (66 lbs)
MAX. PROMPTER SIZE	N/A	19"
MAX. TRACK SPEED	2.5 m/sec	
MAX. TRACK LENGTH TRACK WIDTH (CENTER TO CENTER)	30m (98 ft)	
SUPPORTED TRACK CONFIGURATIONS	Straight Curved Mix of Straight and Curved No S-curves	
MIN. & MAX. RADIUS CURVED TRACK	min. 3m (9ft 10") radius outside rail = min. 2.5m (8ft 2") radius inside rail max. radius unlimited any radius and section of tracks and truss can be custom built	
MIN. CAMERA HEIGHT BELOW TOP OF TRUSS – FIXED 18 CM (7") COLUMN	101 cm (39.8")	1.24 m (48.8")
MIN. CAMERA HEIGHT BELOW TOP OF TRUSS -S2 LIFT	154 cm (60.7")	179 cm (70.5")
MAX. CAMERA HEIGHT BELOW TOP OF TRUSS -S2 LIFT	203 cm (80.0")	227 cm (89.4")
STANDARD FIXED EXTENSION COLUMNS (CUSTOM SIZES AVAILABLE UPON REQUEST)	30 cm (12") 76 cm (30") 122 cm (48")	

FURIO *SkyDolly*

Ross Video has a complete range of technical services available to ensure that your Furio SkyDolly 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 SkyDolly 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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