CEILING-MOUNTED ROBOTIC CAMERA SYSTEM
ELEVATED VISUAL STYLE
The ceiling mounted Furio SkyDolly combines legendary Furio performance, robustness, safety, and ease-of-use with the advantages of a ceiling-mounted rail system. With the addition of Furio SkyDolly, Furio customers can now benefit from the production advantages provided by spectacular overhead beauty-shots, 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.

Among the stars.
PRACTICAL PERFORMANCE
As with Furio SE / S2, every detail of SkyDolly has been carefully thought out to ensure that it delivers much more than just beauty shots. With the ability to carry a full-sized prompter, SkyDolly can also serve as the primary camera in your 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 been so easy, reliable, and accurate – all thanks to Furio’s proven absolute encoders.

FULLY COMPATIBLE
Furio SkyDolly is compatible with existing Furio VR1, VR100, 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 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 Furio API, Furio Moves, and remote E-stops are standard on all Furio SkyDolly Studio systems.

POWERED BY MOTION DIRECTOR
Furio SkyDolly unleashes the full power of MotionDirector, combining the unparalleled 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.
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.

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.

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 rails lie inside the main rails, which keeps the cables within the footprint of the rails, minimizing the total footprint of the system.

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.

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

• Creating spectacular overhead beauty shots
• Clearing (expensive) floor-space
• Adding creativity in set design

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

• Consistently smooth, dynamic and natural-looking camera movements, driven by MotionDirector.
• 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

<table>
<thead>
<tr>
<th>STUDIO VR100</th>
<th>STUDIO VR600</th>
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<tbody>
<tr>
<td><strong>MAX. NET PAYLOAD</strong></td>
<td>20 kg (44 lbs)</td>
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<tr>
<td><strong>MAX. PROMPTER SIZE</strong></td>
<td>15&quot;</td>
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<tr>
<td><strong>MAX. TRACK SPEED</strong></td>
<td>2.5 m/sec</td>
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<tr>
<td><strong>MAX. TRACK LENGTH</strong></td>
<td>30 m (98 ft)</td>
</tr>
<tr>
<td><strong>TRACK WIDTH (CENTER TO CENTER)</strong></td>
<td>50 cm (19.7&quot;)</td>
</tr>
<tr>
<td><strong>SUPPORTED TRACK CONFIGURATIONS</strong></td>
<td>Straight, Curved, Mix of Straight and Curved, S-curves</td>
</tr>
<tr>
<td><strong>MIN. &amp; MAX. RADIUS CURVED TRACK</strong></td>
<td>min. 3 m (9.8&quot;) radius outside rail &lt; min. 2.5 m (8.2&quot;) radius inside rail max. radius unlimited</td>
</tr>
<tr>
<td><strong>MIN. CAMERA HEIGHT BELOW TOP OF TRUSS - FIXED 18 CM (&quot; COLUMN</strong></td>
<td>127 cm (50.0&quot;)</td>
</tr>
<tr>
<td><strong>MIN. CAMERA HEIGHT BELOW TOP OF TRUSS - 32&quot; LIFT</strong></td>
<td>175 cm (68.9&quot;)</td>
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<tr>
<td><strong>MAX. CAMERA HEIGHT BELOW TOP OF TRUSS - 32&quot; LIFT</strong></td>
<td>223 cm (87.8&quot;)</td>
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<tr>
<td><strong>STANDARD FIXED EXTENSION COLUMNS</strong></td>
<td>30 cm (12&quot;)</td>
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<tr>
<td><strong>CUSTOM SIZES AVAILABLE UPON REQUEST</strong></td>
<td>76 cm (30&quot;)</td>
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<td>122 cm (48&quot;)</td>
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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.**