

Supertechno64

Technocrane is proud to introduce the **Supertechno64**, the latest innovation in our renowned Supertechno series. As the **originators of the telescopic camera crane**, we have continuously pushed the boundaries of film and broadcast technology. The Supertechno64 represents a groundbreaking evolution with its **five-beam telescopic design**, offering unmatched versatility, precision, and range. Configured with the electric all-terrain Technobase with on-board battery power, a wireless crane pickle and a hydraulic column.

INNOVATION & ADVANCEMENT

The Supertechno64 sets a new standard in the industry by refining the **five-beam telescopic camera crane** design. While other manufacturers have introduced five-beam cranes, they have often lacked the **precision and predictable behavior** that Technocrane's Supertechno cranes are celebrated for. This model was developed to address those shortcomings, providing superior stability, increased reach, and enhanced motion control while maintaining a compact overall footprint.

Key features include:

- **Extended reach with compact design** – optimized for tighter spaces without sacrificing length
- **Enhanced stability** – reduced flex and deflection for precision shots
- **Seamless integration** – compatible with existing Technocrane control systems
- **Optimized for diverse productions** – ideal for live broadcasts, feature films, and commercial shoots

SPECIFICATIONS OF THE TELESCOPIC ARM

Max. lens height when fully over-slung	68 ft 5 in / 20.86 m
Max. lens height under-slung	64 ft 3 in / 19.59 m
Min. length from center	9 ft 11 in / 3.03 m
Max. length from center	63 ft 4 in / 19.31 m
Max. telescopic movement	52 ft 8 in / 16.05 m
Max. speed	9.84 ft/s / 3 m/s
Max. length from center to rear	12 ft 11 in / 3.94 m
Column elevation travel	5 ft 6 in / 1.67 m
Max. length fully collapsed	23 ft 7 in / 7.19 m

KEY ADVANCEMENTS WITH THE SUPERTECHNO64

- 1 **Minimal deflection** – thanks to Technocrane's unique construction practices, which differ significantly from industry standards, the Supertechno64 achieves the lowest deflection in the industry. This ensures a level of precision previously unavailable in five-beam cranes, especially when controlling rapid starts and stops, crucial for capturing flawless camera movements.

- 2 **High-speed telescoping** – the crane’s ability to telescope at 2 meters per second (6.56 ft/s) enables fast adjustments, while its minimal deflection ensures these movements are smooth and precise.
- 3 **Stabilized performance** – the advanced stabilization technology ensures smooth, controlled operation even at the crane’s maximum extension, enabling perfect shot composition every time.
- 4 **Advanced control systems** – the intuitive control system further enhances this precision, allowing operators to execute complex camera movements effortlessly, even at high speeds or in tight spaces.

CONTROL SOFTWARE

Technocrane takes immense pride in its in-house design and manufacturing process, ensuring unparalleled precision and quality control. The company’s proprietary software, designed and developed in-house from the ground up, is integrated with the latest precision encoders to deliver exacting control over every movement of the crane. This allows operators to execute highly accurate camera movements, even in the most demanding environments.

Every step of the manufacturing process for the Supertechno64, from design to final assembly, takes place at the company’s state-of-the-art factory in Pilsen, Czech Republic. This in-house approach allows for the tightest quality control of any telescopic crane manufacturer in the world. By overseeing each phase of production, from the initial concept to the final test, Technocrane guarantees that every crane meets the highest standards of performance and durability.

This commitment to precision and quality ensures that each Supertechno64 delivers consistent, smooth operation and reliability, making it once again the preferred choice for professionals in the greater film and commercial television industry.

NEW FEATURE: ORBITING

The Supertechno64 also features “Orbiting”, which was first introduced with the release of the Supertechno48. Never in the history of telescopic cranes has the telescope movement been controlled by the crane’s computer while at the same time controlling camera head functions to perfectly orbit a point in space or a “target”. This feature will trickle down throughout the Supertechno and Technocrane community as a firmware update, as it will be backwards compatible to nearly all of the 754 cranes currently operating in the world.

OPERATION SOFTWARE

The Technocrane operation software provides the following:

- 1 **Keyframe programming** – allows sampling of keyframes, and playback of multiple camera and crane parameters depending on model-specific features
- 2 **Unlimited key frames** – infinite number of recordable key frames
- 3 **Unlimited number of moves** – infinite number of recordable camera moves
- 4 **Recording manual moves** – operate as you would any Technocrane or fixed arm, recordable for playback (telescope, head pan/tilt)
- 5 **Override during automatic move** – pan, tilt, roll, zoom and focus can be adjusted while a camera move is playing back
- 6 **Remote access** – access to the crane via internet for diagnostic purposes
- 7 **Tracking data with UDP** – export all positional data for use with virtual or augmented reality environments

- 8 **Track data in FreeD for Unreal** – export all positional data for use with virtual or augmented reality environments
- 9 **Tracking offsets** – aligning tracking data with virtual environments, so rendered elements match the real-world TechnoDolly movement precisely
- 10 **Shutter In** – syncing the camera's shutter pulse with the Technocrane software ensures precise starting points for each camera head move
- 11 **Gen Lock In** – ensures that the tracking data is fully synchronized with a studio's genlock signal. This is especially crucial for LED studios, where precise timing between camera movement and the render engine is essential for seamless real-time compositing.