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Steadicam Phantom



STEADICAM

Steadicam Phantom™, a low cost big rig that performs like the Ultra². Its features are integral to the Phantom design; ready to be used when needed. The Phantom continues the Ultra™ tradition – as the most versatile and user-friendly Steadicam® ever made. It lets one operate with minimum effort and maximum precision for every part of every shot. The sled is configured as desired: short, long, whippy or slow. Operators can trim on the fly for each part of the shot and returns to nominal with the push of a button. The Phantom is a cost-effective, heavy-duty "big rig" – the key to high-performance Steadicam® operating.

Literature & Manuals/Docs:

- [Phantom Literature \(to come\)](#)
- [Phantom Price List \(.pdf\)](#)
- [Phantom Manual \(to come\)](#)
- [G-70 Manual](#)

Prices and Specifications Subject to Change Without Notice

The Phantom System Includes:

- Camera Mounting Chassis (Sled)
- New two-post sled design
- G-70 Stabilizer Arm
- 12-70lb Camera Capacity Dual Iso-Elastic Arm
- Ultra² Vest
- Standard 7" SD LCD -700 NITS
- Newly engineered low-friction Gimbal with "Blue Whale" tool
- No-tools Tilt Head
- Dual monitor mounts
- Built-in Frameline
- On-screen artificial horizon
- Dual battery mounts
- NEW Steadicam Power Cube™ Battery System
- Docking and Balancing Bracket
- Add-on weights
- Hard Sled case w/wheels
- Owner's Manual
- And Much More...

Steadicam Phantom™ for Professional Film

READY TO SHIP!

Tiffen takes great pride in introducing the Steadicam Phantom, a low cost big rig that performs like the Ultra². At \$44,900, the base system starts with a 29 to 49 inch telescoping carbon fiber post coupled to the Ultra2 stage – with our patented +/- 20° tilt head – and terminating in a new solid base. Outfitted with the Ultra2 Gimbal, SD LCD Color 700nit monitor, dual monitor mounts, frameline generator, on-screen artificial horizon, and a dual battery mount -12 and 24 volts (either V-Lock or Anton Bauer), the Phantom fills the need for a heavy duty, high performance, and low-cost rig. Also included is the G-70 Iso-Elastic Stabilizer Arm, Ultra2 Vest, Docking and Balancing bracket, add-on weights, and the Steadicam logo hard sled case with wheels.

Options include the patented "go-to" motorized stage (plug and play) and a variety of monitors, including the 8.4", 1400 nit HD UltraBrite², plus batteries, chargers, cases, cables, vehicle mounts, and other professional accessories.

Like all our Steadicams, the Phantom is designed to be user-friendly, field-serviceable, tool-free, straightforward, and versatile so the operator can quickly and easily configure the rig to the best advantage for each shot. Change the sled length, balance, inertia, and go to low mode in a heartbeat, all without tools, extra parts, or fuss and bother. Solid, versatile, fast, with the Phantom it all happens like magic on the set.

On the stage, the Wide Dovetail Lock has a broader, more positive grip on the dovetail plate, and the handle has a safety stop to prevent accidental release.

The Integral Tilt Head preserves dynamic balance with the lens angled +/- 20° – perfect for long mode or whip pans. The tilt head also maintains high or low lens heights, and helps with clearance, reach, or viewing problems.

The two section, carbon fiber Telescoping Post extends the sled from 29 to 49 inches – or anywhere in between – for short to long mode shooting. Inside the post is Phantom's patented curly-

cable™ system – with discrete, 14 and 28 volt lines for sustained high-amp capacity (14 gauge wires!), plus separate, dedicated and un-interrupted HDSDI and HD component coax cables, plus composite video in and out.

The Phantom uses the Ultra² Gimbal - the smoothest, most precise gimbal ever made, with heavy duty, high precision bearings and an ergonomic yoke. It's easy to take apart for cleaning and it comes with its own tool – "The Blue Whale" – which operators can use to precisely center the gimbal in the field, even after years of hard knocks.

The post, monitor, and gimbal's Low-Profile Clamps are either open and free, or positively locked, with a snap-over-centers clamping action. The clamp lever is ergonomically recessed into the clamp bodies, so nothing sticks out to catch on a cable.

The Swept-Back Monitor Mount is designed for maximum stiffness, inertial control, and viewing options. It now offers a wider range of positions, both vertically and horizontally, and the flip-to-low-mode dovetail mount is both quick and positive.

The Phantom's Modular Electronics provides a "backplane" system that replaces the traditional wiring harness and supports user-replaceable circuit boards. Microprocessors are software upgradeable. The new, smaller electronics box continues our exclusive narrow sled design, a one button artificial horizon, and electronic frame line generator.

The Structural Dovetail Base solidly mounts gyros, Antlers™, or other accessories. There are two positive clamps for the battery rods and a pull out mounting plate for accessories.

The monitor and the battery pack are adjustable in, out, and vertically over a wide range, giving the operators great choices for viewing, balance, and inertial control. The Tilting Battery Mount can be angled over 180 degrees and creates additional options. Pan inertia can be adjusted from a super-whippy 140 pound inch² to an amazingly stiff 2,564 pound inch² – or even more if weights are added to the monitor or battery rods.

The exclusive new Steadicam *PowerCube*™ is the most advanced battery pack available. Delivering 14.8 volts and 6150mAh each, a pair provides 220 watts high amperage discharge – plenty of power for the sled and today's power hungry 35mm and High Def video cameras. In the standard mode, the sled is powered by two batteries in series to create 24 volts and 12 volts via a 100 watt down converter. Flip the on-off switch in the other direction to power everything on one battery for a lightweight 12 volt mode. A simple wire change inside the battery holder enables paralleling the two batteries for very high amp draw, 12 volt cameras like the Genesis.

The Phantom system uses the Ultra² Vest – the best fitting and strongest "front-mount" style vest on the market. It begins with a super-stiff adjustable spar, "Double Vee" shoulder clips, improved padding, and over-center ratcheting buckles. Lightweight, unobtrusive and superbly ergonomic, the vest works perfectly with the new generation of G-series arms. And the Ultra² Vest still has the world's best quick-release system for safety.

The tool-free, super smooth G-70 Arm lifts from 12 to 70 pounds, yet is lightweight. The unique "Ride" knob alters iso-elasticity, so for the first time, users can precisely set how the arm behaves, regardless of the weight carried. The unique "Geo" feature alters spring geometry as it booms up and down to make the G-70 the smoothest, most well-behaved arm ever, throughout its astounding vertical range of 29 inches! The new tool-free arm post holder is quick and positive, and its independent drag control delivers the precise rotation resistance desired – from completely free to totally locked, even when changing posts. At the other end of the arm, the new 'kick-back' link reduces "doorway" clearance and keeps the arm from banging against the operator on the run.

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