

STEADICAM[®]

ARCHER



THE NEW
STEADICAM
ARCHER[™]
CAMERA
STABILIZING
SYSTEM.

CREATED FOR
TODAY'S VIDEO
AND FILM
PROFESSIONALS.

THE NEW Steadicam Archer

The Archer is a new, lightweight commercial-quality Steadicam, recently introduced. It hosts an extensive array of innovative features. These include the world's first "fold-down" sled design; revolutionary new light weight dynamic Iso-elastic™ arm; state-of-the-art ergonomically designed vest and a newly designed "open access" camera mounting stage.

(BELOW) Steadicam Archer's patent pending fold-down sled for easier transport and faster setups.

(BOTTOM) Close-up sled detail



The Archer is designed for precise handling, first and foremost. Its narrow 2.3" Sled width with yoke mounted monitor and precision adjustable battery assure optimum operational freedom. The sleek lightweight sled design allows it to be kept

closer to the operator's body and results in less fatigue and allows an operator more options, such as maneuvering through tighter spaces.

The Archer's patent pending "fold-down" sled reduces its size by more than 30% for easier equipment transport and faster set-ups and teardowns. The combination aluminum framework with black carbon fiber "stealth" skin, provides a light, yet extremely rigid system.

When set-up, Archer's flawless dynamics, with precision gimbal control and finely tuned distribution of mass, provides the unique feel that has set Steadicam systems apart from all others.

Equipped with the Archer, is the revolutionary new G-50 Arm with a boom range of 32 inches. It is the result of years of research and testing by Garrett Brown. The G-50 is the lightest, most rigid, best-behaving, cost-effective arm, with the greatest vertical travel and lifting range in Steadicam history.

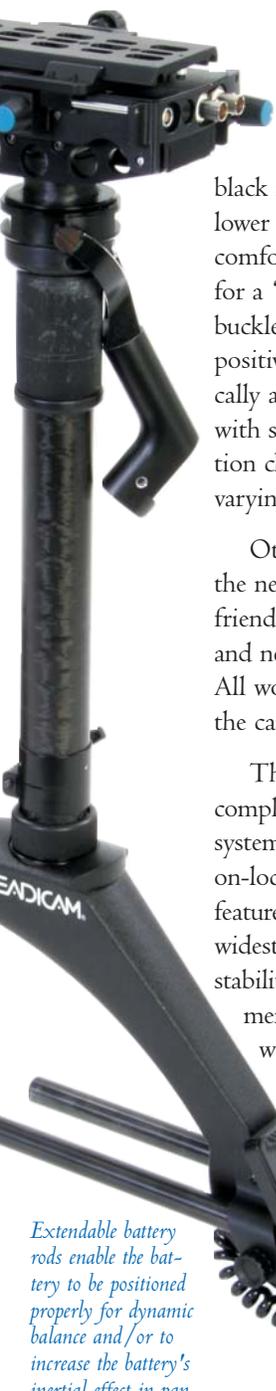
In addition to Steadicam's proprietary no-tools adjustment of lift, the G-50 features a honeycomb design that reduces arm weight substantially, yet maintains superior rigidity. The new "Ride" feature allows the G-50 arm's performance to be fine-tuned to the shot requirements. The "Geo" feature, an active tie-rod geometry, automatically extends the performance curve of the arm, so "its sweet spot is its entire vertical range!"

The LX vest for the Archer has also been newly designed for increased operator control and comfort. Constructed of "dynamite" weather-resistant



G-50 arm honeycomb detail.

*The Steadicam Archer.
Created for today's
video and film
professionals.*



black nylon, it features an integrated lower back support pad for increased comfort, improved front waist support for a “flex-free” vest to arm interface; buckle indexing mechanism for quick, positive latching or unlatching; vertically adjustable wide stance chest plate with stiffer central spar and two-position chest buckles to accommodate varying body sizes.

Other critical improvements of the new vest include: a “sound stage-friendly” anti-squeak buckle design and new, “no pinch” chest strap grips. All work together to complement the capabilities of the G-50 arm.

The Archer also incorporates a completely new camera mounting system with open access design for on-location adjustments. It also features a unique mid-rib, and the widest possible bearings for maximum stability and easy, low frictional adjustments. Operators can use long lenses with a high degree of confidence.

The Archer is HD video compatible. Supplied with the Archer is a 7" LCD, 700 nits, 16:9 composite monitor with integral frame line generator.

Operators also have a choice of two high-definition LCD monitors. The 7" HD/SDI/Composite

HD Brite monitor or Tiffen’s award winning HD UltraBrite™ monitor.

In addition to its roster of capabilities, the Archer can accept batteries from Anton Bauer, PAG, or IDX V-Lok that powers the monitor and 12 volt video or film cameras equipped with auxiliary power input.

“The new Archer Steadicam is the perfect system for broadcast applications, teleproduction studios and independent Steadicam operators who require a fully featured rig that is low cost and lightweight. Its unique (patent applied for) folding sled design makes it the perfect mobile unit,” says Frank Rush, Manager of Steadicam.



(TOP) New LX vest with with greater operator comfort and control.

(MIDDLE) Side-mounting drop-in professional stage.

(BELOW) G-50 arm incorporates a honeycomb design that reduces arm weight substantially, yet maintains superior rigidity. Exclusive “Ride Control” is integral to the arm.

(LEFT) Precision tool-free arm adjustment.

Extendable battery rods enable the battery to be positioned properly for dynamic balance and/or to increase the battery's inertial effect in pan.



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Features

Monitor:

- 11–17 V, 16:9, 7", 700 nits color LCD monitor with IR remote
- Vertical and horizontal image flip capability.
- Auto switching NTSC/PAL composite video ready
- Built in frame line generator with BNC video frameline overlay output
- Housed in sturdy, low profile (8.2"w x 6"h x 2.2"d) aluminum case with industry standard BNC video and XLR power connectors
- 1/4-20 screw mount on bottom for tripod mounting
- Pivoting yoke mount designed such that the monitors center of gravity is about its pivot point eliminating the need to re-balance the rig if the monitor viewing angle is changed
- Low power consumption of under 12 W at full brightness
- AR coating for sunlight viewability
- Built in Tally LED indicator
- Optional on-board battery mounting bracket available for "off-rig" applications

Stage:

- Side-mounting drop-in professional stage
- Micro-precision drive for precise fore-aft and side-to-side balancing (no separate locking mechanism)
- Professional connectors:
 - 7-pin LEMO HD video connector
 - BNC for composite video
 - 3-pin LEMO for camera power
 - Tally light connector
 - 3-pin LEMO for focus motor systems
- Extended dovetail plate
- Nose box for professional accessory mounting (focus motor amps, etc.).

Sled:

- Sled capacity up to 23 lbs
- Unique folding, carbon fiber telescopic post mechanism
- Precision gimbal with "sure grip" knurled gimbal handle
- HD video ready
- Able to support all popular battery configurations: Anton Bauer, IDX, PAG
- All-black "stealth" design to help fade into the background
- Sled body constructed from a framework of aluminum components surrounded by a light, yet sturdy, carbon fiber skin

LX vest:

- New rugged design upgraded from previous vest designs using key components from our top-of-the-line series to produce a durable, comfortable, and superbly functional vest.
- Incorporates a wide stance chest plate with quick release shoulder buckle mechanism.
 - Buckles can be independently locked
 - Unique buckle indexing mechanism allows you to easily locate, latch, or unlatch the over shoulder buckles
 - Fully vertically adjustable chest plate with multi-position chest buckles to help fit various body sizes
 - All vest parts made from durable high quality "dynamite" weather resistant black nylon
 - Integrated positional lower back pad for added comfort
 - Upgraded and improved front waist support band for a "flex free" vest-to-arm interface
 - New "sound stage friendly" anti-squeak chest and waist buckle design
 - New "no pinch" chest strap grips designed for added comfort

G-50 arm

- "GEO"—revolutionary design extends iso-elastic response curve
- "Ride"—knob adjustable control of Iso-Elastic response
- 32" boom range
- Super smooth response throughout entire weight range
- 10–50 lb capacity - total support weight

Archer is a trademark of The Tiffen Company. Covered by U. S. patents 5,435,515 and 5,360,196 and pending foreign patents. Steadicam reserves the right to change specifications without prior notice. Photos may vary from actual production models.



7" widescreen 16:9/4:3 LCD monitor with remote



Steadicam Archer operator's point of view.



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