

# STEADICAM<sup>®</sup>

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# ARCHER<sup>2</sup>

THE NEW  
STEADICAM  
ARCHER<sup>2</sup><sup>™</sup>  
CAMERA  
STABILIZING  
SYSTEM.

CREATED FOR  
TODAY'S VIDEO  
AND FILM  
PROFESSIONALS.



# THE NEW Steadicam Archer<sup>2</sup>



(ABOVE) Archer<sup>2</sup> sled in its compact folded position.

(BOTTOM) Close-up of the Archer<sup>2</sup> sled base.



**T**he Archer<sup>2</sup> is the newest addition to Tiffen's line of professional-quality Steadicams. It hosts an extensive array of innovative new features to enhance quick set-ups/tear-downs, and is designed to accommodate a wide range of operating needs. Standard with the new Archer<sup>2</sup> is a 12/24V pivoting battery mount, HD ready wiring, 2-section telescopic carbon fiber post, no-tools operation, new "sure grip" gimbal handle, new multi-section lightweight Iso-Elastic™ G-40 arm, state-of-the-art ergonomically designed vest, and "open access" motor-ready tilting camera mounting stage upgradeable with one or two motors.

The Archer<sup>2</sup> is designed for precise handling, first and foremost. Its narrow 3.2" (8cm) Sled base 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 "pack and go" sled reduces its size by more than 30% for easier equipment transport and faster set-ups and teardowns. A connector rich base combined with separately adjustable pivoting battery and monitor mounts allows for a very versatile system that can conform to even the most demanding requirements.

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<sup>2</sup> is the revolutionary new G-40 Arm with a boom range of 32 (81cm) inches. It is the result of years of research and testing by Garrett Brown. The G-40 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-40 features a honeycomb design that reduces arm weight substantially, yet maintains superior rigidity. The new multi-section G-40 arm can be separated into sections allowing for compact storage and transport.

The LX vest for the Archer<sup>2</sup> has also been newly designed for increased operator control and comfort.



LX Vest

*The Steadicam Archer<sup>2</sup>.  
Created for today's  
video and film  
professionals.*

Constructed of “dynamite” weather-resistant black nylon, it features an integrated lower back support pad for increased comfort, and 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-40 arm.

The Archer<sup>2</sup> 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 with standard tilt head and optional single or dual remote stage motors. Operators can use long lenses with a high degree of confidence and versatility.

The Archer<sup>2</sup> is HD video compatible. Supplied with the Archer<sup>2</sup> is a standard 7" LCD, 700 nits, I6:9 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<sup>2</sup> can accept batteries from Anton Bauer® or IDX® V-Lok that powers the monitor and I2 or 24 volt video or film cameras equipped with auxiliary power input.

“The new Steadicam Archer<sup>2</sup> 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 pending) folding sled design

makes it the perfect mobile unit,” says Frank Rush, Manager of Steadicam.



(ABOVE) Side mount drop in professional tilting stage with multiple HD Video and power connectors.



(ABOVE) Pivoting, foldable and extendable battery mounting system with 12 and 24 volt capability.



(ABOVE) Low profile sled base.

(BELOW) Multi-section Iso-Elastic™ G-40 arm with interchangeable arm posts, adjustable “LIFT” and industry standard arm-vest connector.

(BOTTOM LEFT) Close-up of quick-connect arm sections.

*Extendable and foldable battery and monitor rod mounts allows for compact storage and fully extended inertially stable operating.*



# STEADICAM ARCHER<sup>2</sup>

## Features

### Monitor:

- 11–17 V, 16:9, 7", 700 nits color LCD monitor
- 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
- 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:
  - BNC HD video connector
  - BNC for composite video
  - 3-pin LEMO for camera power
  - Tally light connector
  - 3-pin LEMO for focus motor systems
  - 2x HD quality SMB video connectors
- Extended dovetail plate
- Nose box for professional accessory mounting (focus motor amps, etc.)
- Patented  $\pm 15$  deg tilt head
- Optional single axis or dual axis remote controlled stage drive motors



Complete Archer<sup>2</sup> system packaged in standard hard case.

### Sled:

- Nominal payload capacity of 26lbs/12kg
- 2-section no-tools adjustable (23-35.5in/58-90cm sled height) telescopic carbon fiber post
- Precision gimbal with "sure grip" knurled gimbal handle
- HD video ready via 3x HD quality post cables
- 12/24V IDX<sup>®</sup> V-Lok or Anton Bauer pivoting and folding battery mount
- Professional black design
- Adjustable no-tools pivoting and folding monitor mount
- Motor ready  $\pm 15$  deg tilting camera mounting stage with available one or two motors options
- Inertially controllable and adjustable for many static and dynamic balance configurations
- Dovetail base for accessory mounting
- Entire system is compactible for storage and transport in one case

### 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-40 arm

- Revolutionary design extends Iso-Elastic<sup>™</sup> response curve
- 32" (81cm) boom range
- Super smooth response throughout entire weight range
- 10–26 lb (4.5 - 11.8kg) camera payload capacity. Camera payload includes all elements from the camera plate up to the top of the camera with all accessories.

Archer<sup>2</sup> is a trademark of The Tiffen Company. Covered by U. S. patents 5,435,515 and 5,360,196 and other patents pending. 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



Steadicam Archer<sup>2</sup> in use.

To meet the varying needs of operators, the new Archer<sup>2</sup> system is available with a wide array of options and configurations. Contact your Tiffen sales representative for more details.