

**FACE  
WARE**

# Mark IV

Wireless Headcam System





# A New Focus.



## MARK IV HIGHLIGHTS

- ▶ Upgraded Helmet Design
- ▶ Stunning No-Distortion Optics
- ▶ Refactored Lighting System
- ▶ State-of-the-Art Power System
- ▶ Better Operational Design

### UPGRADED EVERYTHING

We reviewed every single component and made engineering improvements where possible.

### STREAMLINED OPERATION

We listened to your feedback.  
Operate this system with best-in-class ease.

### THE BEST AVAILABLE COMPONENTS

Industry-leading power system



# Blue with Envy.

## ENLARGED THUMB SCREWS

An increase in the size of the adjustment thumbscrews allows quick and easy fitting

## "SLIM CAM" REDUCED PROFILE

We've reduced the vertical footprint of our camera to reduce distraction and weight.

## CLICK-IN-PLACE MOUNTING BLOCKS

Ensure 100% consistency during capture with our clever click-in-place edge in the block.

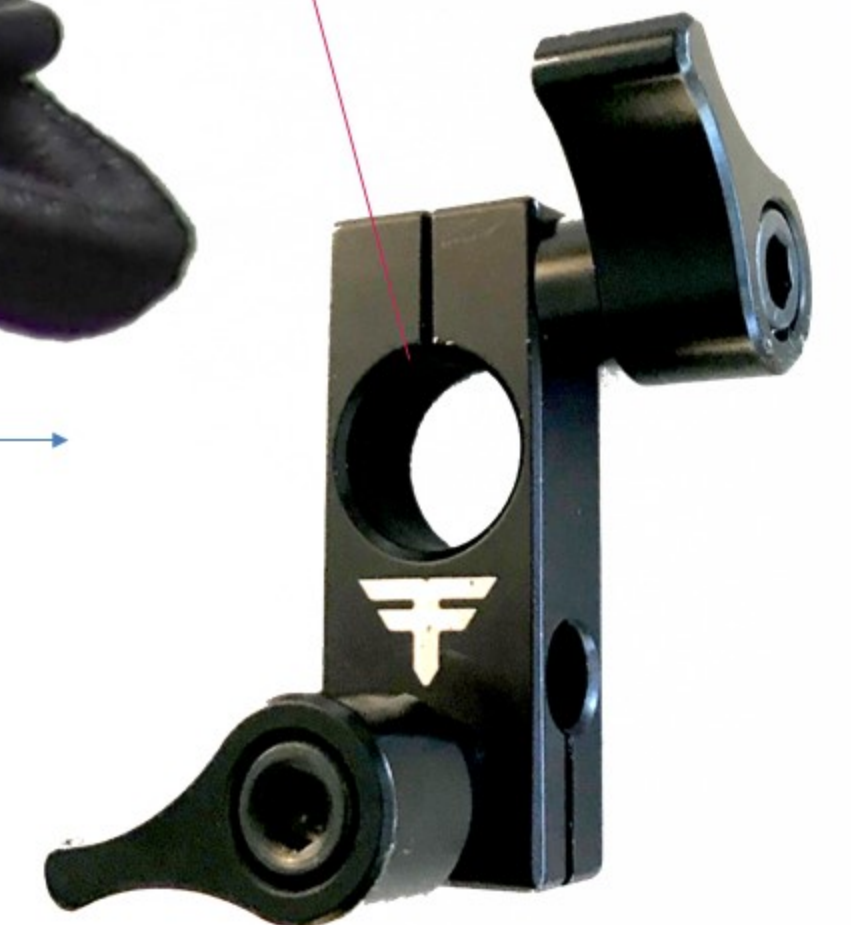
This means you'll put the mount on the ball joint in the same place every time.

## NEW BAR DESIGN

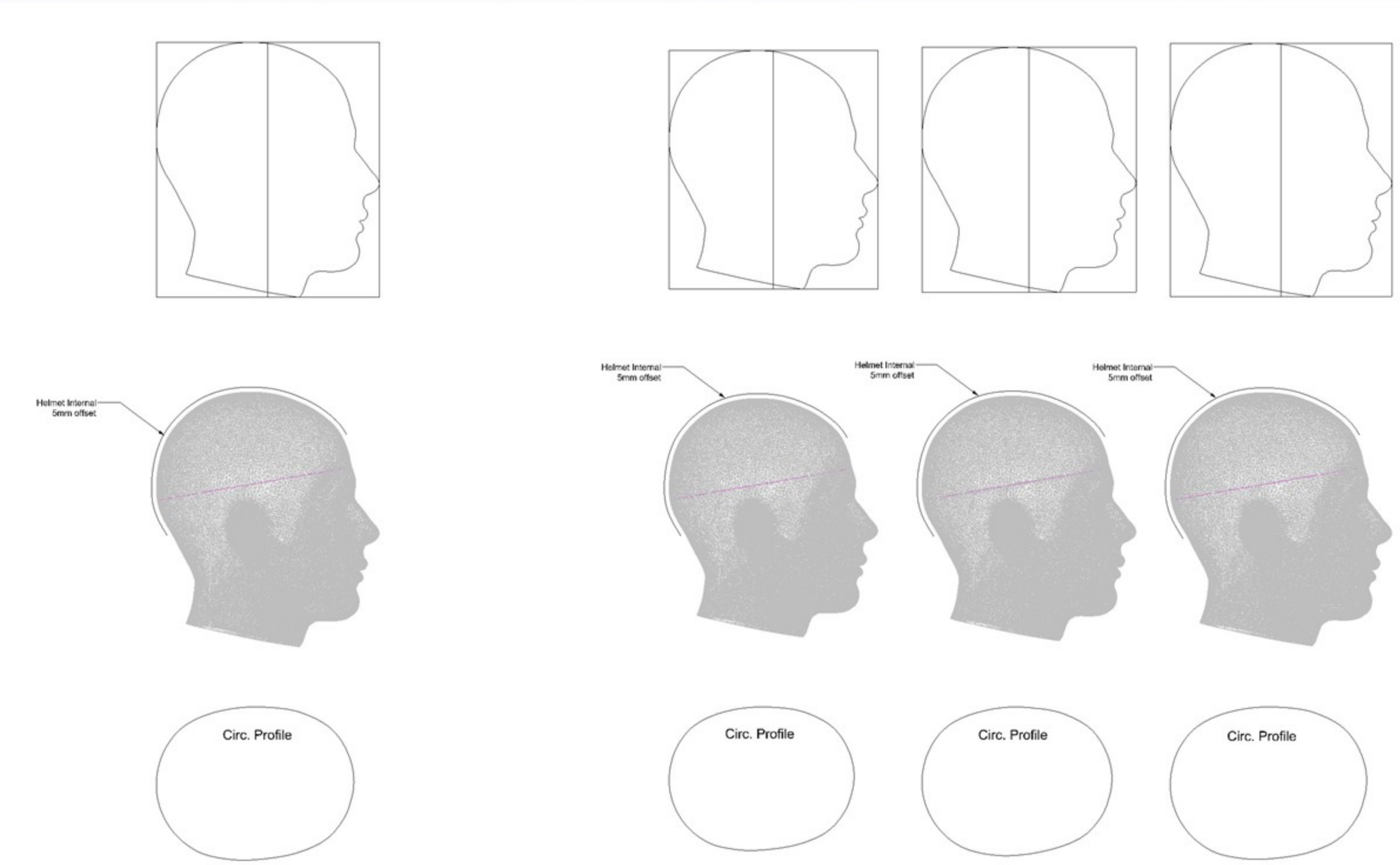
Our bars are re-positioned for optimal comfort, stability, and out of performer eyelines.

## "SIDE BURN" STABILITY UPGRADE

Built-in side burn pieces have been added to the helmet for increased lateral stability and comfort.



# 99% of the World's Heads.



### A collaborative and data-driven approach to engineering.

To design our new helmets, we collaborated with one of the World's best performance capture helmet manufacturers.

Together, we pulled thousands of subjects from Anthropomorphic head studies and built out head sizing with helmets and pad fitting combinations to overlap to fit the largest possible range of the Worlds' head population

**99% of the World's Head Population.**

# Look Familiar?

**We tapped into 30 Years of Experience in the fabrication and model-making industry.**

**Use the same helmets as Weta.** Our helmets are cast from woven fiberglass and sanded smooth.

With three helmet sizes, the helmet shell, straps, buckles, padding and fittings allow for accommodation to perfectly fit to the actor's head shape and size.

**COURTESY**

Twentieth Century Fox



**THREE SIZES OF HELMET**

The entire system includes a small, medium, and large helmet

**INTERCHANGEABLE PADS**

Switch from three different thicknesses of interior padding to create the most comfortable and snug fit.



**IMPROVED COMFORT**

Actors are saying Mark IV is

**“The most comfortable performance capture helmet I’ve ever worn.”**

**QUICK RATCHET SYSTEM**

One point of adjustment allows quicker fitting as well as the ability to quickly loosen on-set.

**VELCRO TABS FOR CABLE ROUTING**

Quickly secure any cabling, including audio cables for streamlined and silent operation.

**LARGER HAIR PULL-THROUGH**

We increased performer comfort and added stability by increasing the size of our hair pull through.





**<1 MS WIRELESS OPERATION**

We continue to include and support the industry-standard Teradek Bolt wireless video transmitter and receiver units.

**ROCK-SOLID RECORDER**

The Mark IV System includes the rock-solid AJA KiPro Rack-mounted unit which is controlled via our **Shepherd** operator software



**CHIN STRAP MOUNTING POINTS**

For added safety we've embedded chinstrap mounting points.

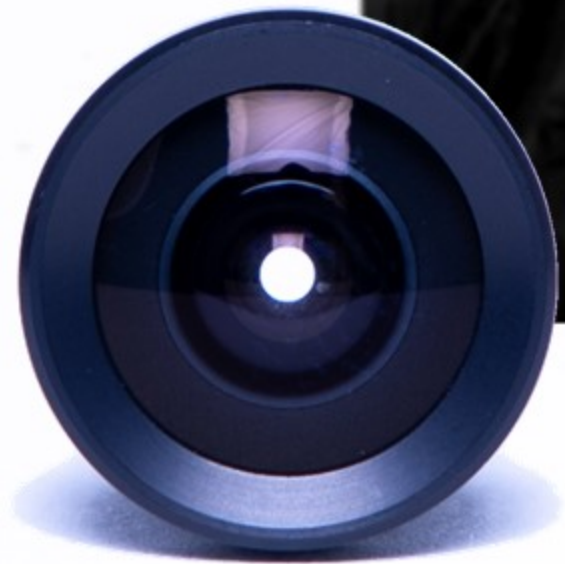
Easily snap on-and-off the included strap.



TRADITIONAL "FISHEYE" LENS



OUR NEW MARK IV 4.3MM LENS



**Goodbye Distortion.**

**MARK IV LIGHTING****MARK III LIGHTING****MARK III LIGHTING****MARK IV LIGHTING**

# That Looks Better.

## **Completely Refactored Lighting System.**

To leverage better and more even lighting on the face of your performer, we refactored the way in which our LED is positioned in front of the subjects' face.

The Mark IV features two new full spectrum, highly accurate color temperature LEDs.

**Sample images (left) were shot in completely dark room.**

# 37% Reduced Vertical Footprint



**MARK III  
CAMERA MOUNT**



**MARK IV  
CAMERA MOUNT**

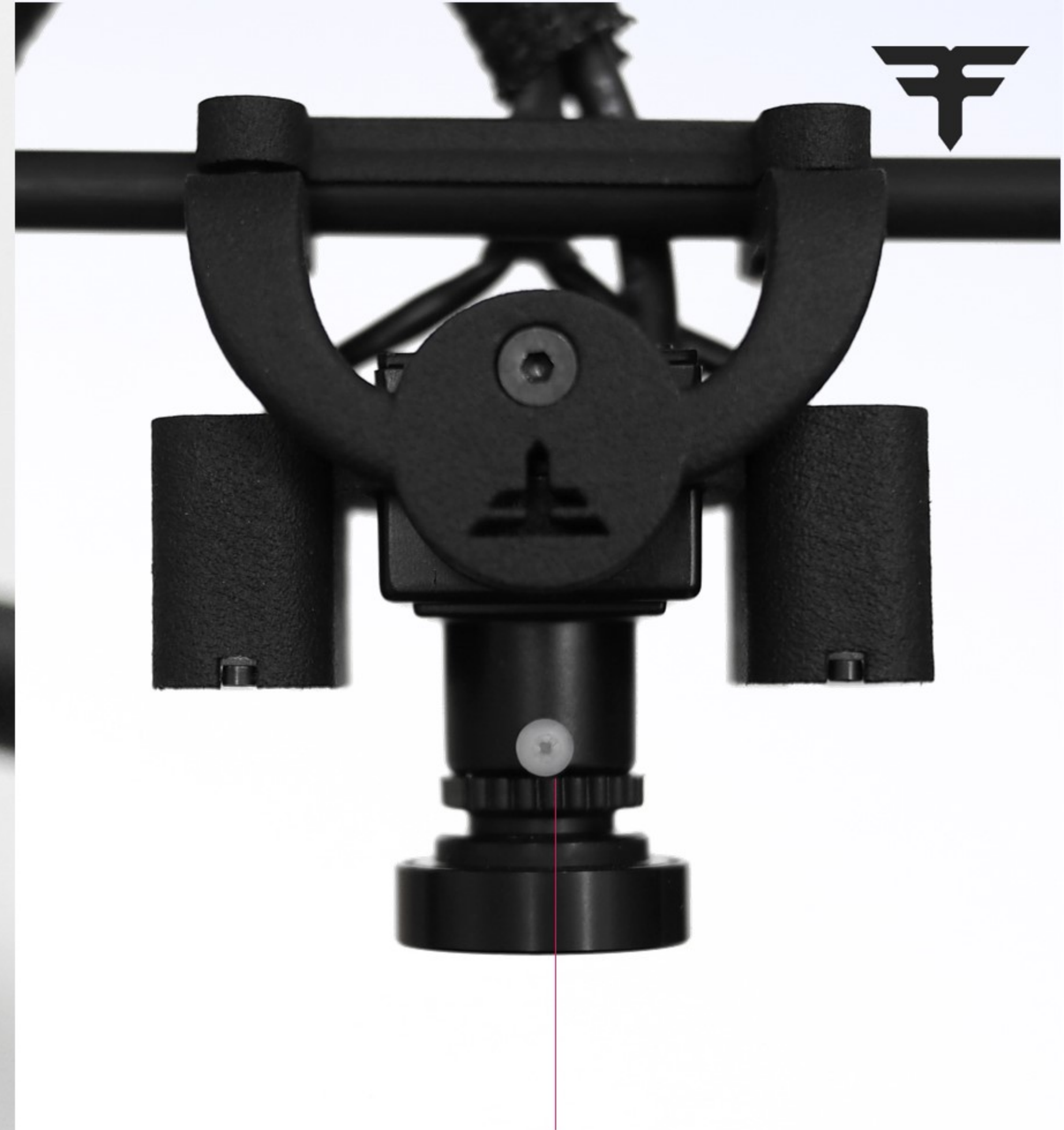


**BUILT-IN CAMERA PROTECTION**

Now the mounting bar naturally protects the camera unit and lens



**FACE  
WARE**

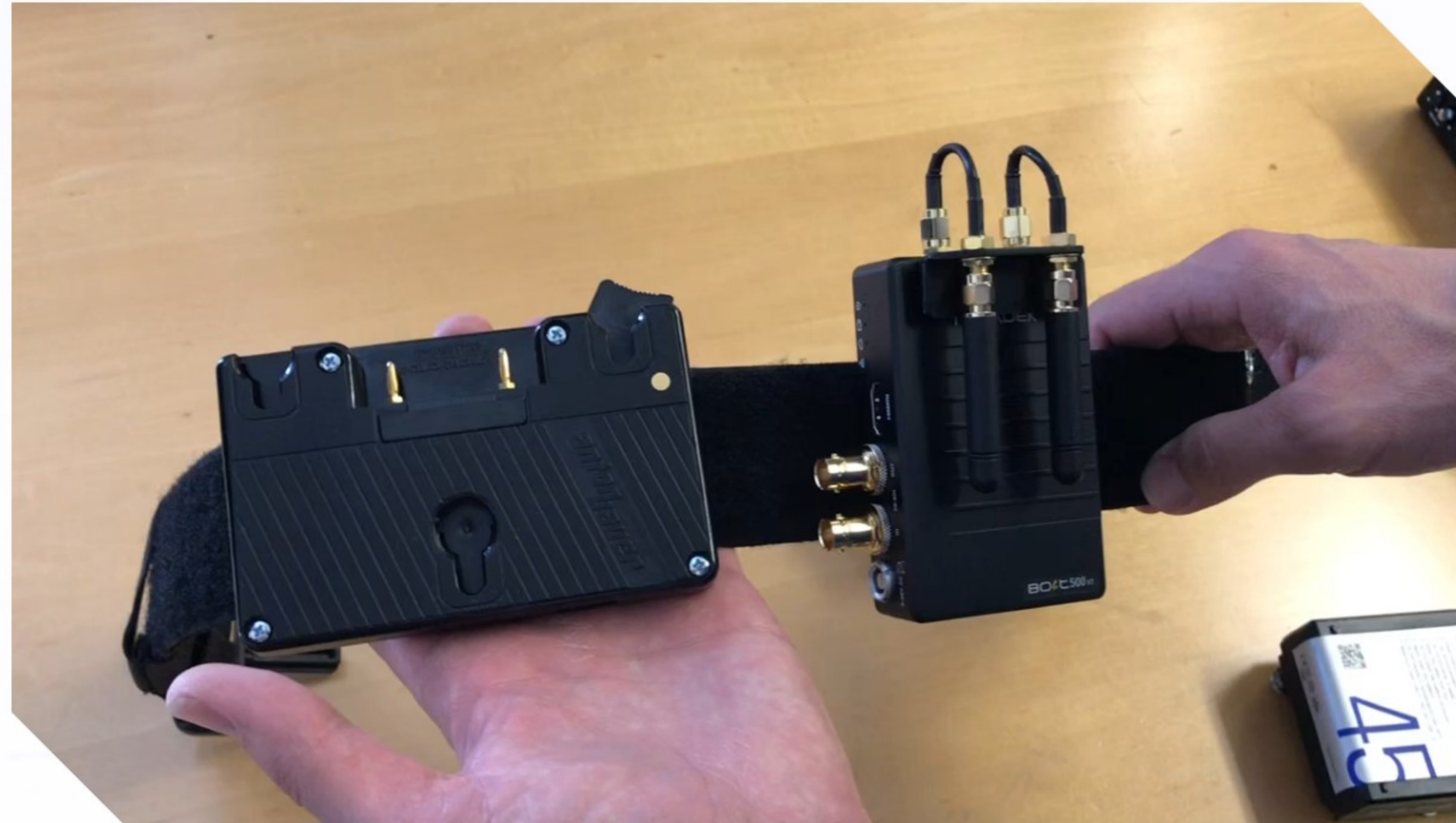


# Smart.

**NYLON THREADED LENS SCREW**

We've changed the lens screw to a Nylon material to prevent damage to threading

# Double the Power. 75% Less Charge Time.



## LOCKABLE WITH CHARGE INDICATOR

Several simple features such as locking mechanism with quick-find release and the five-bar LED status lights represent 20% charge for each green bar.

## MORE POWER, LESS THAN 1-HOUR CHARGE TIME

We've substantially upgraded the power to our system through implementation of an **Anton/Bauer® Gold Mount Plate** and a **Bebob® A45 Micro Battery**.

Get 5/15 hours of wireless/wired usage, with a charge time around 1 hour.

# Who are Anton/Bauer and Bebob?

The world's best battery solutions.

ANTON  
BAUER



Anton/Bauer® is the **pioneering force** behind many of the **battery technologies** that have become **industry-standard** in the world of broadcast, video and cinema. For **50 years**, Anton/Bauer has been the power behind the picture for anyone using a camera to shoot moving images. The Mark IV uses the **Anton/Bauer Gold Mount Plate** system.

**Anton/Bauer: Built for camera operators by camera operators.**

Japanese Lithium-Ion. Hand-Crafted in Germany.

bebob



Since 1995 Bebob produces camera accessories of the **highest quality**. Currently tens of thousands Bebob batteries are in use at film and television studios **all over the world**.

Bebob's battery factory is today one of the **most renowned producers** in the film technology industry. The Mark IV uses the **Bebob A45 Micro Battery**.

**Bebob: Virtually unbreakable batteries.**



**STREAMLINED BREAKOUT CABLING**

Most Mark III RMAs related to the breakout cable.

Our newly designed single-bundle includes magnetically shielded camera and light power and SDI video in one cord.

**NEW BREAKOUT BOX**

Reduced and streamlined cabling routing box to ensure less downtime during performance capture.

**The Fine Details.**



**PERFORMER LIGHT SWITCH**



**MARK IV BREAKOUT BOX**



**SECONDARY LIGHT SWITCH**

Nearly-hidden secondary switch  
For better power economy and use  
when performer switch  
is removed.

**PERFORMER LIGHT SWITCH PORT**

Quick-release port  
Belt-mounted switch has  
embedded dimmer and easy  
on/off toggle.

**PTAP POWER PLUG  
WITH RIGHT-ANGLE ADAPTER**

Industry-standard power connection.  
Right-angle mount to prevent  
cable pull-outs.

# What a Relief.

Our #1 RMA issue for the Mark III system was cable pull-outs.

We've reinforced or upgraded every connector and added built-in strain relief where necessary.



# In Sync.

## Shepherd. The Facial Motion Capture Command Center.

Faceware **Shepherd** is a software application built to help you easily sync, configure, and manage multiple recording decks at the same time.

Shepherd solves the issue of a single operator having to efficiently manage more than one recording device, often a big problem on more complex shoots.

Shepherd's whole purpose in life is to simplify the management of multiple recording devices.

While Shepherd works with any body capture solution you may additionally enable Shepherd's Mocap Lync function. This allows your Mark IV systems to be remotely triggered by your Vicon, Xsens, or Optitrack body capture system.





# Thank you