

Instruction Manual

Flycam Vista-I Stabilizing Arm & Vest (VSTA-I-AV)



At Flycam, our goal is to ensure 100% Customer Satisfaction in all that we do.

We back our sales with a 1 year warranty from the date of purchase and work hard to resolve any problems in the unlikely event one should arise.

With our commitment to continuous improvement and your Feedback, building on our reputation of providing affordable, quality products is PRIORITY #1.

Table of Contents

Subject	Page
Foreword	3
Introduction	4
Assembling	7-13
Warranty	14

Welcome To Proaim!

Dear Client,

On behalf of all the people that work so hard to provide you with the most up-to-date, flexible and cost-efficient production gear, we would like to welcome you into the Flycam family.

By purchasing your Vista-I Stabilizing Arm & Vest, you have just joined a host of designers, engineers, machinists, assembly, customer service and office staff that take great pride in all that they do. Our mantra of continuous improvement has been the guiding principle of how we conduct our business since day one.

Once you have the opportunity to experience your new Flycam Vista-I Stabilizing Arm & Vest, we hope you will agree that we craft quality products at a competitive price. Products designed to meet and exceed the standards of today's real production world.

Standards set by our valued clients and standards we strive to maintain.

With Best Wishes, Flycam Team

INTRODUCTION

Flycam unveils its new powerful combination of Vista-I Stabilizing Arm & Vest support to achieve superfine smooth moves in action. The dynamic design of sectional Vista Arm allows even beginners to learn its operation with ease. The Flycam Vista-I Arm & Vest makes extended shooting nearly effortless, providing complete comfort and functionality for extended productions and long continuous shots. The arm has a manually adjustable tension steel spring which maintains the position of the stabilization system depending on the combined weight of camera and handheld stabilizer.

What's In The Box

Please inspect the contents of your shipped package to ensure you have received all that is pictured and listed below You will receive this package in 7 boxes. .

YOUR NEW VISTA-I STABILIZATION SYSTEM COMES IN TWO STORAGE CONTAINERS

- Flycam Vista Arm
- FLYCAM C5



VISTA DV Vest



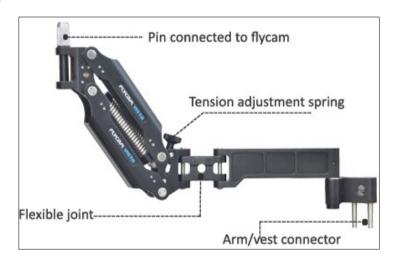
COMPONENT FEATURES



VISTA DV VEST

Our Vista DV Vest is comfort designed to fit and easily distribute the weight of the FLYCAM Vista, camera and accessories across the shoulders, back and hips of the operator. With its six point suspension system, two snap locks on the shoulder pads, two 26 inch waist belts and another two at the center of the vest all Velcro secured, this lightweight and comfortable Support Vest can be custom adjusted to fit a wide range of body types. For safety, quick release snap locks and buckles allow the vest to be removed quickly.

FLYCAM VISTA ARM



Our innovative lightweight single arm design has a manually adjustable steel tension spring that maintains stabilizer position in relationship to the total load carried. Easy to operate, exceptionally smooth and quiet, it can carry cameras weighing up to 12 pounds. The single articulating arm can be operated from either the right or left side.

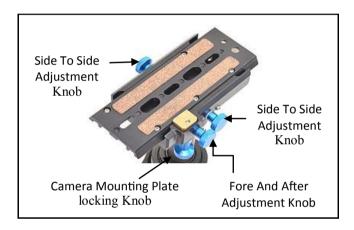
Spring tension allows the operator to set the desired amount of elasticity in the spring for personal preference High, Medium or Low. The knob control located in the mid section of the arm is used to 'dial in' tension adjustments as required.

FLYCAM C5

The HAND HELD FLYCAM C5 with new design of weight disc and gimbal. The C5 FLYCAM is a lightweight stabilizer. It can be used without any body support system as well. The Quick release plate of the FLYCAM C5 is High quality quick release universal system for camera.



THE HEAD



THE POST

The FLYCAM C5 has a built in telescopic post used to help balance the camera and accessories. Loosen the control knob to adjust the height as you attempt to balance and then re-tighten for safety. You may have to do this a few times to 'get it right.'



THE GIMBAL CONTROL UNIT

Our Gimbal control unit has been completely re-designed with high load bearings. The body, yoke and handle are precision engineered to perfectly match for total control.



CENTERING THE GIMBAL CONTROL UNIT

- Place the control unit on the docking stud (as you would for normal balancing), give
 yourself a four second drop time (2 or more seconds), and aim the camera along a line
 through the two bearings in the yoke.
- Balance side to side and fore-aft as precisely as you can to get the post vertical. We
 recommend you use a bubble level on the stage. Tweak the fore-aft balance as precisely as
 you can, then do not touch the stage adjustments for the rest of the procedure.
- If the sled does not hang perfectly level, move the whole sled "uphill" with the yoke bearings.
- Adjust the yoke bearings equally i.e. loosen one and tighten the other the same amount and do it in small increments.
- If it gets worse, you chose the wrong one to loosen! If is gets better, keep going until it is perfect. Do not rebalance fore and aft at this stage.

THE BASE PLATFORM

The base platform moves fore and aft as well as side-to-side allowing you to quickly adjust the horizontal balance of your camera and accessories. Vertical adjustment starts with adding counter weights as needed. When proper balance has been achieved, your camera and accessories almost float providing fluid like movement and control.



ATTACHING THE CAMERA

Attach the FLYCAM Head to the central post.



• Secure using the provided L' key.



• Insert the C5 post into the base platform and tighten with the 'L' key.



• Remove the top plate from the base plate by loosening the blue knob, attach your camera to the plate and tighten it.



• Insert the camera plate into the base plate.



At the base of your FLYCAM where the base platform connects is a lever control that allows you to lengthen or shorten the stalk to help achieve proper balance. Loosen to adjust the stalk up and down and make sure to re-tighten to secure.



BALANCING OF FLYCAM C5 HEAD

(I) Insert the Plate





(3) Loosen this knob



(4) Rotate this knob to adjust the plate



(5) Use this knob for the horizontal adjustment of the plate



BALANCING YOUR FLYCAM C5 STABILIZER



When your FLYCAM C5 is assembled and properly set up, test the horizontal balance of the system. The objective in obtaining correct horizontal balance is to allow the Camera to remain level during operation. In other words, if the FLYCAM C5 is horizontally balanced correctly, then the Camera will remain leveled, and the Central Post will remain vertical unless you intentionally re-position the FLYCAM C5 for an off axis shot. When proper horizontal balanced is achieved, it will always return to a level pan, tilt, or roll pressure on the Central Post. When testing for correct horizontal balance pick up your FLYCAM from a flat and level surface (e.g. table) and let the FLYCAM hang freely as you hold it. If the FLYCAM is balanced correctly on its horizontal axis, it will be leveled up right, with the Central Post in a perfect vertical position.

After mounting the camera onto the FLYCAM C5, add the balancing weights to match the weight of the camera as shown above.

Before beginning the balancing process check the following:

- Camera is securely attached to head plate.
- Lens cap has been removed and secured.
- Bracket mounts have been tightened properly.
- Weights are added successfully.
- All the screws are tightened securely.
- Monitor mount and Battery mount are attached properly.
- All the wires are secured properly.
- The Gimbaled Control Unit should beneath the top of its post.
- Position the monitor for preferred 'eye line' while factoring overall system balance



Warning If you do not have enough weight on the Base Platform the entire FLYCAM will flip upside down. Be prepared to catch it if this happens. You will need to add more weight to the base plate and retest until the FLYCAM remains right side up. The best way of adjusting the horizontal balance is to move the center of gravity of the Camera.

This can be accomplished by re-bolting the Camera to a different area of the Head Plate and Mid Plate, either front to back or side to side with the Camera unit.

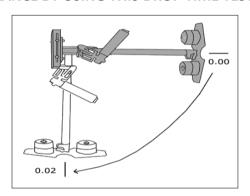
BALANCING THE VERTICAL AXIS

The sled should be tied up to the docking adapter of your stand or similar so that you can start the fore & aft balancing adjustments by centering the camcorder over the central post. To do this,

- Look at the FLYCAM C5 from the side. If the camcorder lens is tipped up or down, move the camcorder forward or backwards until the center of balance is situated over the central post.
- Then, look at the FLYCAM C5 from the front. If the post is not vertical, adjust the bottom plate until the center post is vertical.
- You can also adjust the weight cups closer to & further away from the sled as per the requirement till the post is straight up and down.
- The stability of the FLYCAM C5 depends on it being slightly bottom heavy. If it is top heavy,
 it will tilt more. If bottom heavy, it will be sluggish and hard to aim

Slightly bottom heavy, it will be both stable and easier to control.

CHECK THE VERTICAL BALANCE BY USING THIS DROP TIME TEST:



- Make sure that everything is tight and position yourself behind the stand.
- Grasp the center post near the base and move the center post from vertical to horizontal.
- Hold it there. Be sure that it will not hit the stand when you drop the center post and put your free hand to catch the center post when it drops.
- Count how many seconds it will take to fall to vertical. Try using a stopwatch.
- If the drop time is less than 2 seconds, it is too bottom heavy. You need to move the bottom mass closer to the post.
- If the drop time is more than two seconds, it is top heavy.

A DROP TIME OF 2 - 2.5 SECONDS IS PREFERRED.

Note: Recheck the balance by looking at the sled. If necessary, use the side screws and the bottom plate screws to make required adjustments.

CUSTOM FITTING YOUR DV VEST

- Having put your vest on, insert the hooks of the 26" long straps into the appropriate aluminum buckle.
- Tighten both straps with Velcro for a comfortable fit and lock both with the aluminum buckles.

Repeat this action using the mid waist straps and buckles attaching them to the central part of the chest plate.



The length of the chest plate can be adjusted according to the height of the person by using this adjusting screw.

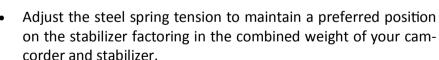


- Properly set up and custom fit, your vest should look like the provided picture
- Straps are mode of trough nylon and Industrial Strength Velcro and can be easily replaced or adjusted to suit individual needs.
- Our DV vest can be used with all professionals arms incl. Steadycam, Tiffin, Glide cam and Sachtler.



ASSEMBLING OF VISTA ARM

Insert the male part of the socket attached to the vista arm into the female part of the socket attached to the vest.





corder and stabilizer.



• Your FLYCAM is ready to mount on the Vista Arm.

Once vertical and horizontal balance is achieved, mount the FLYC-AM on the gimbaled control unit of the arm.



MAINTENANCE

Bearing Maintenance – The Main Bearing on your FLYCAM C5 is attached to the Central Post about two inches down from the top. It is metal and partially enclosed by the Bearing Assembly. The Vista Arm also contains the bearings. If after some period of time your bearings don't turn smoothly as when new, you can oil it lightly with light lubricating oil. We recommend that you use a minimum amount. Only a few drops are required, plus anything more than a little will end up dripping from the bearing and onto the rest of your Vista Arm & FLYCAM C5 Light lubricating oil can also be used if needed on the Yoke and Handle Bearings. Be sure to keep the oil away from your Camera, and clean up any over spill when done.

Cleaning— Do not use solvents or harsh cleaners of any kind on your Vista Arm, DV Vest 7900A & FLYCAM C5. If the unit becomes dirty, use only a cloth or sponge with water and a very mild detergent to gently rub the unit clean. Rinse well.

Storage— If you are going to store your Vista Kit for a long period of time then please **s**tore the unit up right in a dry or low to normal humidity area whenever possible. If you are unable to find an environment like this, then we suggest you store the unit in an airtight plastic container or bag. Standing the unit upright helps to alleviate stress on the system.

PRACTICE MAKES PERFECT SHOOTING TIPS

Walking the Line- This is an exercise designed to help you operate your FLYCAM C5 more accurately and easily. Using masking tape, or gaffer's tape, create a cross mark on a flat and even wall. This cross mark will be used for framing purposes.

Now on the floor leading up to the cross mark, tape a straight line, about 10-20 feet long.

The purpose of this exercise is to walk the line that you have taped on the floor, while keeping the cross mark centered in the LCD monitor. Practicing this exercise will teach you how to frame a shoot with precision.

BALANCING REVIEW

Proper system balance can only be achieved once your camera is set up with the appropriate accessories ready for shooting. This means batteries, lenses, media cards, LCD viewfinder/monitor, quick release plate, on-cam lights, and all the gear you will use for your recording session.

- Remove the top plate of the FLYCAM and line up your camera so that its center of gravity is
 as close to the center of the plate as possible (basically hold the camera in your hand until it
 feels balanced both left and right as well as forward and back).
- Find the hole in the plate that is as close to the threaded tripod mount on your camera as
 possible (while you are still holding your camera's center of gravity to the center of the
 plate). Attach your camera (or quick release mounts if you have one). Tighten it down so it
 won't accidentally rotate.

- Re-attach the top plate to the FLYCAM. Center it, but don't worry about getting it absolutely perfect yet.
- Remove most of the weights from the Base Platform, but leave one on each side.
- Insert the center post as far as it will go and tighten so it won't slide out.
- Hold the handle normally and turn the FLYCAM so that it is horizontal to the ground. Let go
 of the stalk while keeping a firm grip on the handle and count how long it takes to return to
 vertical again. You should be able to count a good, "One-one thousand, two-one
 thousand", before it rights itself. With only two little weights it might take considerably
 longer.
- Add one pair of weights at a time and repeat the "horizontal to vertical" test until it falls at the correct rate. It will probably not be perfect.
- You'll get one that's too slow and then you'll add a pair and it will fall too fast. When that
 happens, take off the last pair of weights that you added.
- Tighten down the weights so they don't slide around.
- To get the count perfect, slightly lower the center post that attaches the Base Platform with the weights until you get the "one-one thousand, two one thousand" count to the vertical position.
- Fine-tune the left-right, forward-backward balance. You will have to go back and forth
 between the two directions to get the balance just right. Loosen the screw sets that allow
 the sled to move left and right. Adjust the top plate so that it is centered and tighten down
 the screws like you would a tire slowly and alternating side to side.
- · Repeat for "forward-backward" balancing.
- Check to see if your camera is sitting level. If not, repeat the necessary steps until it does
- Practice walking/movements ensuring your body motion is not transmitted to your hands and then the FLYCAM and camera.

YOUR FLYCAM VISTA— I STABILIZATION SYSTEM ALL DRESSED UP AND READY TO GO



Exclusive of Camera, Mic & Lcd Monitor

WARRANTY

We offer a one year warranty for our products from the date of purchase.

We will repair or replace your product, free of charge, in the event of a defect in materials or craftsmanship obtained during normal use or handling based on the user manual. Please note that we will not cover any shipping costs for returning the product to us. If any VAT or import duties are applied to the return, we will also charge these costs to the customer.

The warranty does not include, by the way of example, damage caused by products that we do not supply or from mishandling in transit, accident, misuse, neglect, lack of care of the product, or service by anyone other than our company.

We are not liable for incidental or consequential damages resulting from the use of the unit or occurring due to any breach of this warranty.

Replacement parts of the product will be provided at nominal cost (covering the cost price of the replacement parts only) to the customers after the Warranty Period has expired. We will cover

the complete cost of sending replacement parts within the warranty period. After that, Nominal cost of the product & Actual shipping cost will be charged.

Do not send the unit to us without first getting a response and getting the approval to send back the item.

In case of any kind of dissatisfaction, we urge you to **Contact us** immediately and we shall do our Best to help you out. For any other assistance you can reach us via email.

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