



USER MANUAL





WARNING

READ BEFORE USE

- * IMPROPER USE OR FAILURE TO FOLLOW SAFETY PRECAUTIONS FOR THIS PRODUCT COULD RESULT DAMAGE TO EQUIPMENT, PROPERTY, SERIOUS BODILY INJURY, AND/OR DEATH.
- * OPERATORS MUST ENSURE THAT USERS AND SPECTATORS STAND CLEAR OF THE ARM AT ALL TIMES (A MINIMUM OF 3 FEET IS RECOMMENDED). THE USE OF STANCHIONS AND/OR OTHER BARRIERS TO ENFORCE THIS LIMIT IS ADVISED.
- * SUBJECTS MUST TAKE THEIR PLACE ON THE ORCAVUE PLATFORM BEFORE THE DEVICE IS TURNED ON AND WAIT UNTIL THE ARM HAS COMPLETELY STOPPED BEFORE STEPPING OFF.
- * SUBJECTS MUST NOT BE UNDER THE INFLUENCE OF DRUGS, ALCOHOL OR BE OTHERWISE IMPAIRED AS A LOSS OF BALANCE COULD RESULT IN FALLING FROM PLATFORM AND POSSIBLE SERIOUS INJURY AND/OR DEATH.
- * DO NOT ALLOW OVER-CROWDING ON THE PLATFORM SUCH AT ANY SUBJECT COULD BE AT RISK OF FALLING OFF.
- * A TRAINED OPERATOR MUST SUPERVISE USE OF THE PRODUCT AT ALL TIMES. THIS PRODUCT IS NOT DESIGNED TO BE USED IN AN UNSUPERVIDED OR STAND-ALONE MANNER.

NOTE:

- * DO NOT exceed the recommended maximum weight for camera and accessories of six pounds or set the unit's speed to more than 60% when using the unit in a fully loaded manner.
- * The OrcaVue Air holds a maximum of 1,200 pounds.
- * Use only on a level surface.
- * DO NOT stop the unit by grabbing the arm and relying upon the obstruction sensor to stop the arm. The obstruction sensor is designed for only for emergency stops when the arm is unintentionally blocked while revolving.



* The OrcaVue Air is intended for use with cameras such as the iPhone, iPad, and GoPro that include internal video stabilization. Videos shot using cameras without these capabilities may demonstrate some shakiness caused by participants moving about the platform

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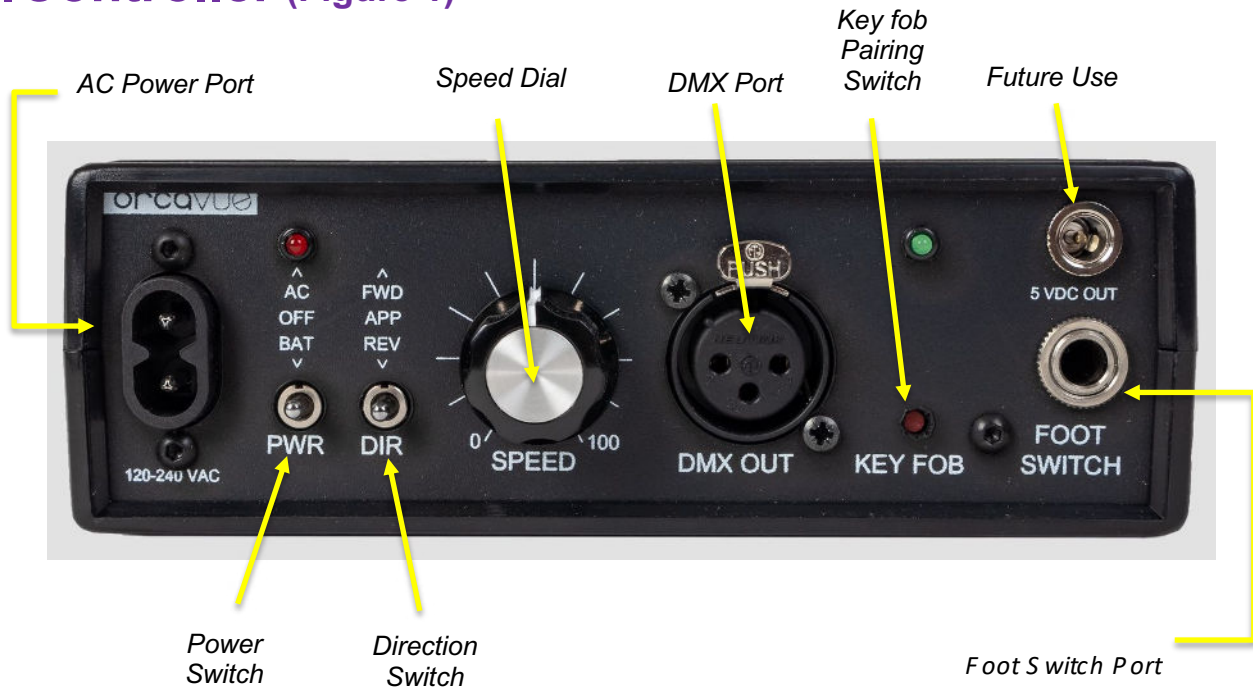
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1. Controller (Figure 1)



1.1 Unit Power

The Power Switch (PWR) controls the power to your unit; it has three positions: AC, OFF and BAT (figure 3):

- Use the up position (AC) when you are powering the unit using AC power, typically from a wall outlet.
- Use the down position (BAT) when you are powering the unit using the V-mount battery option.
- Use the middle position (OFF) when you wish to cut off power to the unit.

If using AC power, plug the AC power cable (figure 2) into the AC power port (Figures 2 & 3). The red light above the PWR switch will be lit/on (as shown in Figure 3) if the unit is successfully being powered. Note that it is normal for the power light to blink several times at startup as well as once during each revolution.



Figure 2



Figure 3

1.2 Camera Arm Direction

The Direction Switch (DIR) controls the direction that the camera arm swings; it has three positions: FWD, APP, and REV (Figure 3):

- The up position (FWD) spins the camera arm in a clockwise direction.
- The down position (REV) spins the camera in a counter-clockwise direction.
- The middle position (APP) allows the unit to be controlled by a device running an app with built-in OrcaVue integration.

1.3 Camera Arm Speed

The speed dial (SPEED) controls the speed at which the camera arm spins.

- The white mark on the speed dial indicates the arm rotation speed (0-100) that the unit is currently set to. This range roughly corresponds to 6-30 RPM.
- NOTE: The speed dial only works when the DIR switch is set to FWD or REV. If the DIR switch is set to APP, the speed is controlled from within a compatible application.

1.4 DMX Port

The DMX port enables DMX devices such as fog or confetti machines to be synchronized with the start of the arm rotation so that the resulting videos capture the device's effects at the optimum moment. The DMX address assigned to the device determines the timing and may be between 1 and 59. Initially, when the unit is off, 0 is sent to all addresses. When the unit is turned on, the first digit determines the length of the delay (in seconds) before a value of 255 is sent to that address; the second digit sets the duration (in seconds) during which a 255 value is sent. A device with an address of 46, for example, would turn on four seconds after the arm starts and remain on for six seconds.

1.5 Foot Switch

The Foot Switch provides a wired means for turning the OrcaVue unit ON or OFF. (Note: the Foot Switch is supplied as an option.) To use:

- Place the Foot Switch on the floor so that the rubber grip is on the bottom (Figure 4).
- Plug the foot switch cord into the Foot Switch Port (Figures 5 & 6).
- Ensure that the controller box has power (red light is on).
- Tap or step on the pedal to turn the unit on or off. There is no need to hold your foot down to keep the unit on.



Figure 4



Figure 5



Figure 6

1.6 Wireless Key fob (Remote)

The supplied Key fobs (Figure 7) enable you to control your OrcaVue unit wirelessly.

There is no need to plug anything in. Simply make sure that the controller box has power and then press the remote button to start or stop your OrcaVue unit. You do not need to hold the button down. The Keyfob light will turn green when the Keyfob button is pressed (Figure 8).

In some cases, you may wish to pair additional Keyfobs with your unit. To do so, use a pen or sharp object to briefly press the red recessed switch above the Key Fob label on the controller. After a short pause, the the green Key fob light will glow a steady green. Press the button on the new Keyfob once. The Keyfob light should turn off. The Keyfob is now ready to use with your unit.



Figure 7



Keyfob
Light

Figure 8

2. Camera Arm

2.1 Setup

1. Unfold the camera arm by loosening the thumbscrew and pulling out the silver positioning pin at the pivot point (Figure 9).
2. Insert the silver positioning pin behind the arm at the desired angle.
3. Allow the arm to rest against the positioning pin and then firmly tighten the thumbscrew to hold arm in this position.
4. Ensure that the quick-release clamp is open (Figure 11).
5. Slide the camera arm onto the silver square bar that is under the unit (Figure 10) and close the clamp. Note it is important to slide the arm in until it hits the internal stop.
6. Set the arm height by releasing the quick-release clamp on the vertical section of the arm and the sliding the arm into position (Figure 12).

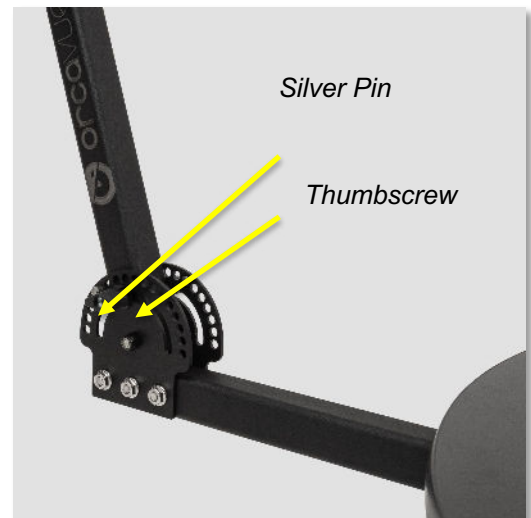


Figure 9



Figure 10 (note: unit shown without top deck)

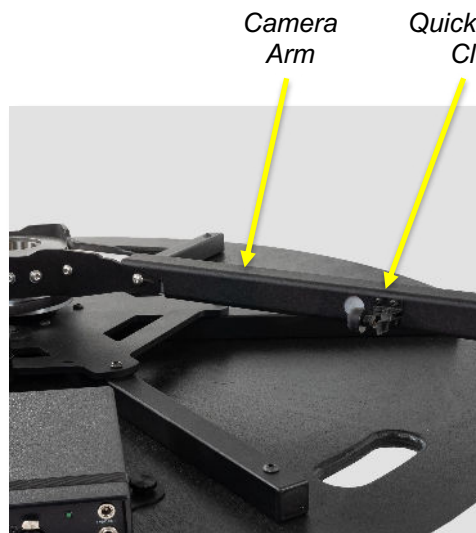


Figure 11 (note: unit shown without top deck)



Figure 12

2.2 Camera Plate Mount

The supplied camera plate can be used to attach a camera to the arm. To do so, remove the plate from the top of the arm by twisting the silver knob (Figure 15) in a counter-clockwise direction. Then screw the bolt protruding from the plate into the bottom the camera (Figures 13 & 14). Finally, return the plate to the top of the arm and firmly tighten it and the camera into place by twisting the silver knob in a clockwise direction.

2.3 Phone and Other Mounts

The phone mount supplied with the unit as well as the optional ring light can be *directly* attached to the top of the arm *without* using the camera plate. To do so, remove the camera plate (installed at the factory) from the top of the arm by twisting the silver knob (Figure 15) in a counter-clockwise direction. Next, insert the mount of choice between the clamps and firmly tighten it into place by twisting the silver knob in a clockwise direction.



Figure 13



Figure 14



Figure 15



Figure 16

2.4 Camera Arm Attachments

The camera arm has holes for accessory attachments such as LED panels or tablets. The holes are sized for a ¼ inch bolt and can be used with OrcaVue's optional mini ball-mount adapter as shown in Figures 16 & 17.



Figure 16

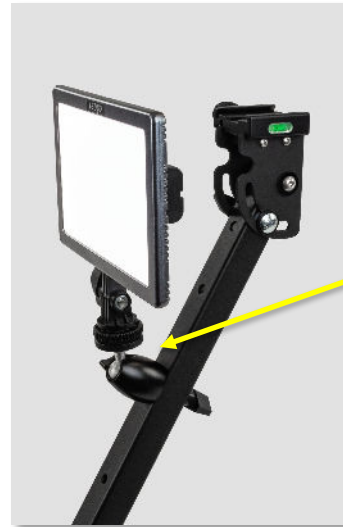
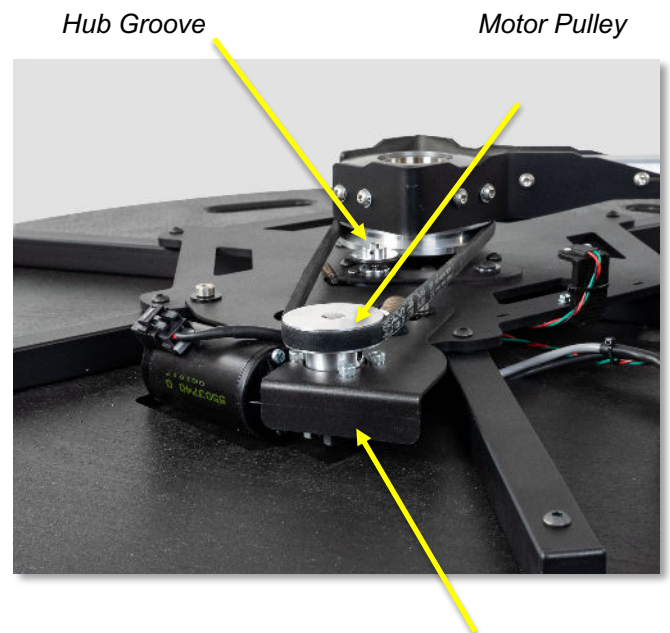


Figure 17

3. Automatic & Manual Operation Modes

The Air units can be operated using the electric motor (called automatic mode) or by manually swinging the arm. To switch between modes, locate the “Belt-Release” lever under the unit (see Figure 18). Note: switching between modes may be more easily performed with the unit standing on its side.

- To enter manual mode firmly depress the lever with your thumb or the palm of your hand and pop the belt off the pulley above it. The arm will now swing freely.
- To return to automatic mode, align the belt in the groove of the center hub (see Figure 18). Then simultaneously depress the belt-release lever and guide the belt back over the motor pulley. The arm will now operate in automatic mode.



4. Operation

Figure 18 (note: unit shown without top deck)

Belt-Release Lever

1. After completing physical setup, walk the arm a full 360-degree rotation around unit to ensure that it will clear all surrounding objects.
2. Place stanchions or other barriers outside of the arm radius to keep participants and spectators a safe distance from the arm's path (we recommend 3 feet).
3. Have subject(s) stand on the center of the platform.
4. Instruct subjects to remain on the platform until after the arm has come to a complete stop.
5. Initiate recording according to the camera and software you are using.
6. Use the foot switch or wireless keyfob to initiate and halt arm rotation. Note: this may not be necessary when using recording applications that have built-in OrcaVue integration.

5. Limited Warranty and Support

5.1 Limited Warranty

OrcaVue warrants that its equipment will operate in accordance with its specifications for a period of one year from the date of delivery, except for:

- a. Equipment that is classified as batteries or lighting, which has a limited warranty period of 90 days.
- b. Software and associated licenses, which are supplied as-is. OrcaVue makes no express or implied warranty or representation that any software, licenses for such, and related information are accurate, up-to-date, error-free, or that they are suitable for any particular purpose.
- c. Bluetooth and DMX interfaces contained within the equipment are supplied as-is and have no warranty or guarantee of current or future compatibility or interoperability with any application, including any applications supplied by OrcaVue.

If you feel that any purchased equipment does not perform in accordance with its specifications, please notify OrcaVue by emailing support@orcavue.com or calling 301-812-3802. After determining that a valid limited warranty claim is present, OrcaVue may, at its option, ship replacement parts to you. Alternatively, OrcaVue may issue a return authorization and require that you ship the equipment back to us. If upon receipt of the equipment, we find a manufacturing defect that was not caused by normal wear and tear, we will repair the equipment and return it to you at our cost. If we find damage that is not covered by our limited warranty, we will notify and invoice you of the cost of repair and shipping. You will have thirty (30) days to pay such costs; if we do not receive payment from you during that 30-day period, we will dispose of the returned equipment.

In no case will OrcaVue be liable for lost opportunities, revenue or reputation caused by equipment, software or DMX/Bluetooth interfaces supplied by OrcaVue.

For complete limited warranty information, please reference: <https://www.orcavue.com/commerce-terms-and-conditions.html>



5.2 Support

For additional information on using your OrcaVue unit, please go to the following page where you will find an FAQ, additional written instructions as well as videos covering both hardware and software:

<https://orcavue.com/support>

6.1 AIR-34 Specifications



Specs

Platform Diameter : 33.625" (85.4 cm)
 Platform Height : 7.5" (19 cm)
 Footprint Range : 5' - 15' (153-457cm)
 Camera Weight : 6 lbs (2.7kg)
 Max Occupancy : 2-3 People
 Rotation Speed : 6 - 30 RPM
 Platform Weight : 64 lbs (29 kg)
 Shipping Weight : 90 lbs (40.82 kg)
 Power Source : US Standard, 120-240VAC
 Battery Life : 10+ hrs / 300 Spins (Optional)
 AC Cord Length : 15' (4.5m)
 Stabilization Tech : None / In-Camera**

Overview

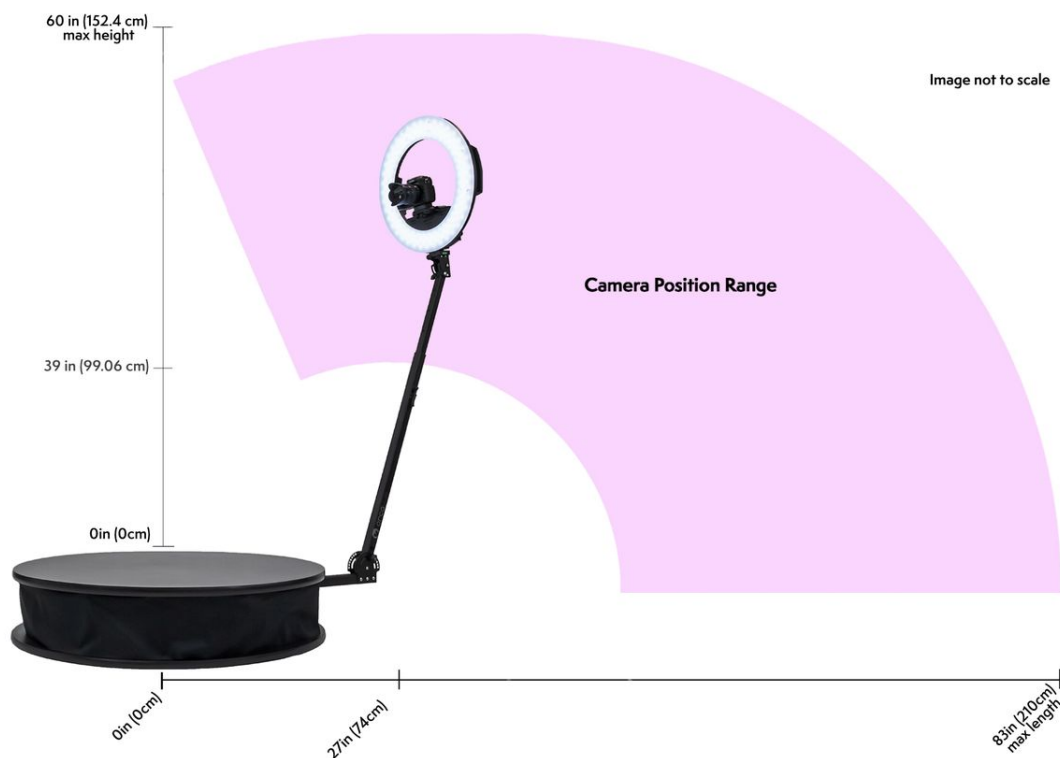
Mobile, with room to party, the OrcaVue Air 34 is the best of both worlds. It's large enough to comfortably fit 2-3 participants, while still being compact to fit in almost any minivan, hatchback, or small SUV. When there's a crowd, the added throughput that the Air provides with group videos is a standout feature.

Highlighted Features

Travel - Comes with a custom fit lightweight dolly for easy transportation.

Setup - User friendly and tool-less design requires just minutes to setup.

Flexibility - Adjustable footprint can easily fit in the tightest event space, or extend out to capture those full body shots.



**The OrcaVue Air 34 is intended for use with cameras such as the iPhone, iPad, and GoPro that include internal video stabilization. Videos shot using cameras without these capabilities may demonstrate some shakiness caused by participants moving about the platform.

6.2 AIR-39 Specifications



Specs

Platform Diameter : 39" (99 cm)
 Platform Height : 7.5" (19 cm)
 Footprint Range : 5' - 15' (153-457 cm)
 Camera Weight : 6 lbs (2.7k g)
 Max Occupancy : 3-4 People
 Rotation Speed : 6 - 30 RPM
 Platform Weight : 78 lbs (35 kg)
 Shipping Weight : 120 lbs (54.43 kg)
 Power Source : US Standard, 120-240VAC
 Battery Life : 10+ hrs / 300 Spins (Optional)
 AC Cord Length : 15' (4.5 m)
 Stabilization Tech : None / In-Camera**

Overview

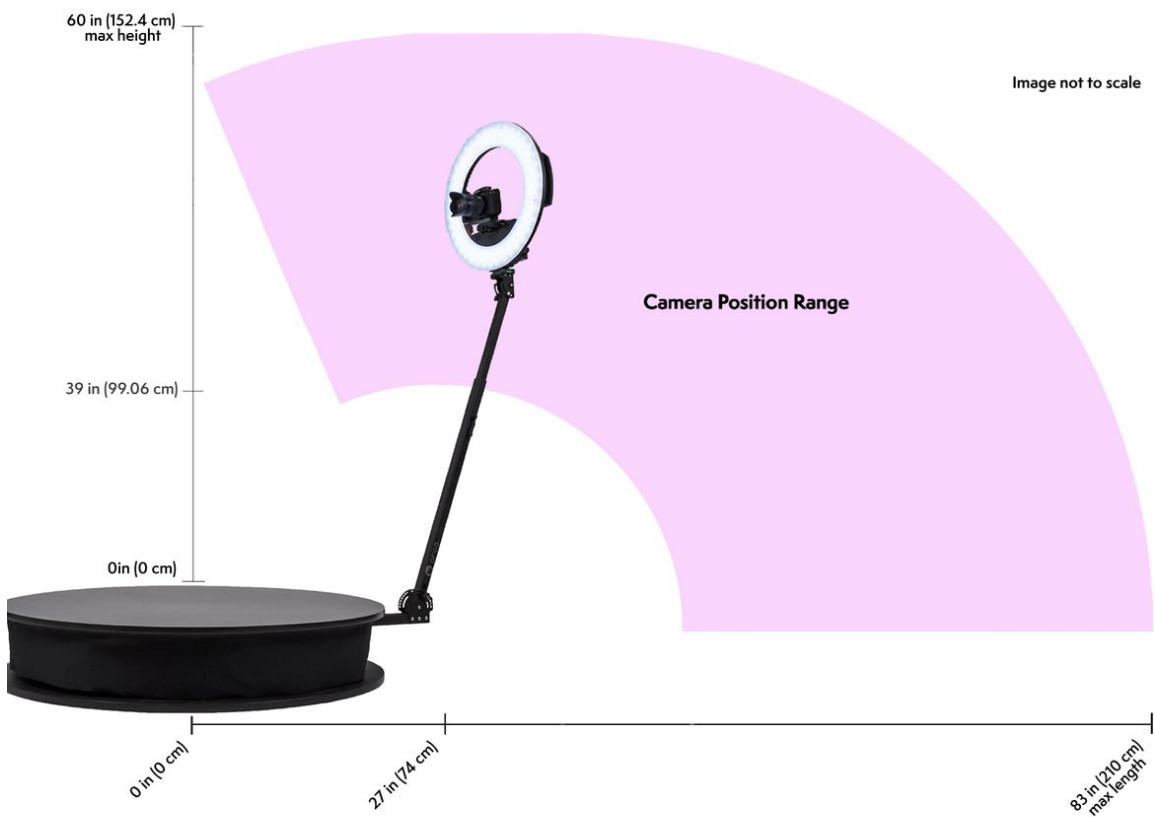
Mobile, with room to party, the OrcaVue Air 39 is the best of both worlds. It's large enough to comfortably fit 3-4 participants, while still being compact to fit in almost any minivan, hatchback, or small SUV. When there's a crowd, the added throughput that the Gala provides with group videos is a standout feature.

Highlighted Features

Travel - Comes with a custom fit lightweight dolly for easy transportation.

Setup - User friendly and tool-less design requires just minutes to setup.

Flexibility - Adjustable footprint can easily fit in the tightest event space, or extend out to capture those full body shots.



**The OrcaVue Air 39 is intended for use with cameras such as the iPhone, iPad, and GoPro that include internal video stabilization. Videos shot using cameras without these capabilities may demonstrate some shakiness caused by participants moving about the platform.

6.3 AIR-46 Specifications



Specs

Platform Diameter : 46" (117 cm)
 Platform Height : 7.5" (19. cm)
 Footprint Range : 5' - 15' (153-457 cm)
 Camera Weight : 6 lbs (2.7k g)
 Max Occupancy : 4-5 People
 Rotation Speed : 6 - 30 RPM
 Platform Weight : 93 lbs (42kg)
 Shipping Weight : 135 lbs (61kg)
 Power Source : US Standard, 120-240VAC
 Battery Life : 10+ hrs / 300 Spins (Optional)
 AC Cord Length : 15' (4.5 m)
 Stabilization Tech : None / In-Camera**

Overview

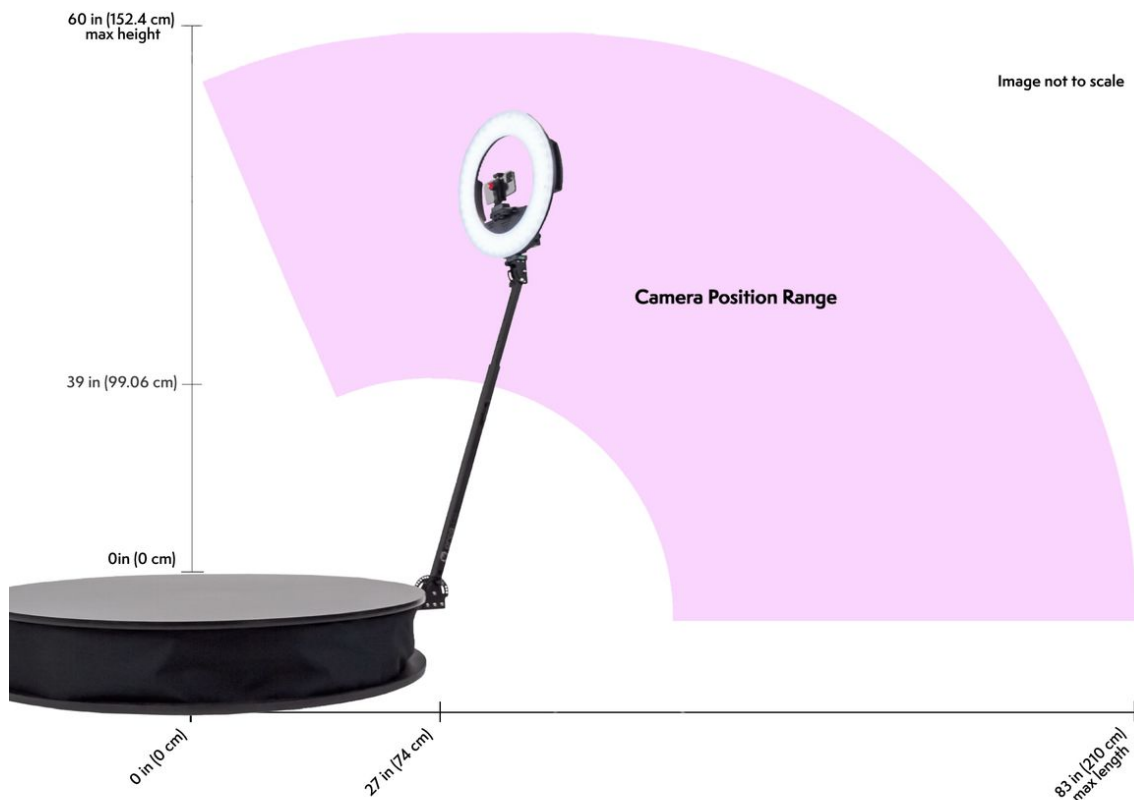
Mobile, with room to party, the OrcaVue Air 46 is the best of both worlds. It's large enough to comfortably fit 4-5 participants and fits in large SUVs and vans. When there's a crowd, the added throughput that the Air provides with group videos is a standout feature.

Highlighted Features

Travel - Comes with a custom fit lightweight dolly for easy transportation.

Setup - User friendly and tool-less design requires as little as 60 seconds to set up.

Flexibility - Adjustable footprint can easily fit in the tightest event space, or extend out to capture those full body shots.



**The OrcaVue Air 46 is intended for use with cameras such as the iPhone, iPad, and GoPro that include internal video stabilization. Videos shot using cameras without these capabilities may demonstrate some shakiness caused by participants moving about the platform.