

TILTA

ELECTRONIC SUCTION CUP [6 INCH]

< 6寸电动吸盘 >

(HVIN:HDA-ESC-6)

01 [免责声明]

感谢您购买TILTA产品。

使用本产品之前,请仔细阅读本文以确保已对产品进行正确的设置。本文档及本产品所有相关的文档最终解释权归TILTA所有。如有更新,请访问www.tilta.com官方网站获取最新的产品信息。TILTA保留随时修改本手册中任何信息的权利,无需提前通知且不承担任何责任。

一旦使用本产品,即视为您已经仔细阅读免责声明与警告,理解、认可和接受本声明全部条款和内容。您承诺对使用本产品以及可能带来的后果负全部责任。您承诺仅出于正当目的使用本产品,并且同意本条款以及TILTA制定的任何相关条例、政策和指引。TILTA对于直接或间接使用本产品而造成的损坏、伤害以及任何法律责任不予负责。用户应遵循包括但不限于本文提及的所有安全指引。

即使存在上述规定,消费者权益依然受当地法律法规所保障,并不受本免责声明影响。

TILTA是深圳市铁头科技有限公司及其关联公司的商标。本文出现的产品名称、品牌等均为其所属公司的商标或注册商标。

02 [注意事项与警告]

吸盘主体内置**3.7V 1500MAH**锂电池。使用本产品前,请严格遵守以下说明,如因失误操作或者不正当使用等造成的相关后果,我司不负任何责任。

配件要求

- 充电环境温度高于 40 °C 或低于 5°C可能导致电池性能下降、膨胀、漏液、过热等损坏。
- 切勿将电池存储在超过60°C的环境下。理想的存储环境温度为 22 °C 至 28 °C。

操作环境

- 请在温度为 -20 °C 至 45 °C之间的环境中使用电池。温度过高将会引起电池异常膨胀、着火,甚至爆炸。在低温环境下使用之前,建议先在常温环境中将电池充满电量,以延长电池使用寿命。
- 请勿将设备放置在易燃、可燃物(如地毯和木制品)附近充电。请时刻留意充电过程,谨防发生意外。
- 请在干燥的环境下存储设备,理想的设备存放环境湿度不高于 40%RH。

电池安全

⚠【警告】本设备配有不可拆卸的内置电池,请勿自行更换电池,以免损坏电池或设备。

- 禁止在强静电或者磁场环境中使用电池,以免引起设备内部电路故障。
- 请勿将电池暴露在高温处或发热设备的周围,如日照、取暖器、微波炉、烤箱或热水器等。

电池过热可能引起爆炸。

- 请勿拆解或改装电池、插入异物、或浸入水或其它液体中,以免引起电池漏液、过热、起火或爆炸。

■ 电池安全

- 电池内部电解液具有强腐蚀性, 如果不小心接触到皮肤或眼睛, 请立即用清水冲洗至少15分钟并马上就医。
- 请勿把电池扔到火里, 否则会导致电池起火和爆炸。
- 请勿跌落、挤压或穿刺电池。避免让电池遭受外部大的压力, 从而导致电池内部短路和过热。
- 请勿使用已经损坏的电池。
- 切勿将电池彻底放完电后长时间存储, 以避免电池进入过放状态而造成电芯损坏, 将无法恢复使用。
- 务必将电池彻底放电后, 再将电池废置于指定的电池回收箱。电池是危险化学品, 严禁弃置于普通垃圾箱。相关细节, 请遵循当地电池回收和废置的法律法规。如电池无法彻底放电, 请勿将电池直接弃置于电池回收箱, 应联系专业电池回收公司做进一步的处理。

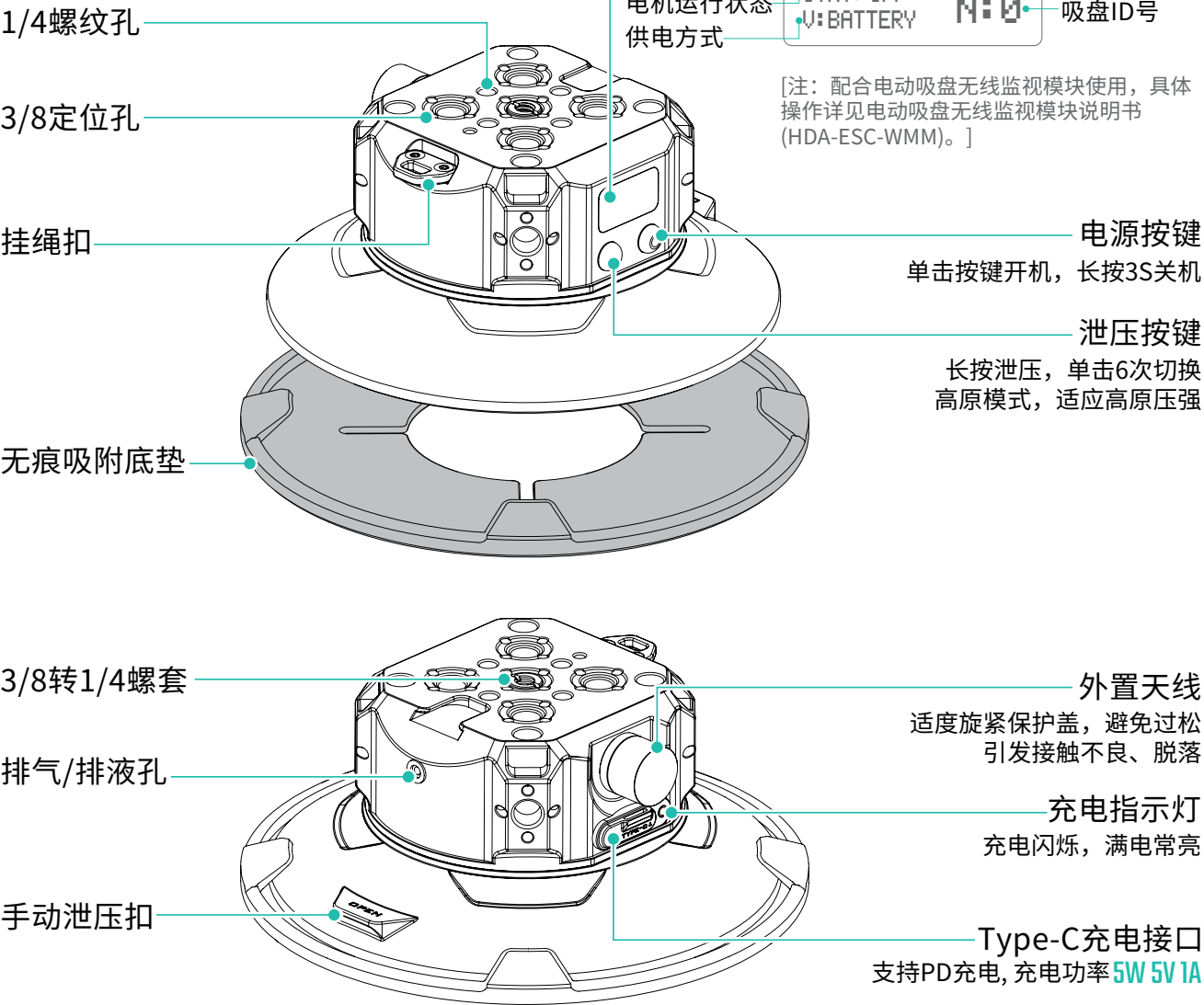
维护和保养

- 请保持设备清洁, 无沙尘等异物。使用干净、干燥的布料及时清理产品上的异物。
- 请勿使设备及其配件受到强烈的冲击或震动, 以免损坏设备及其配件, 导致设备故障。

03

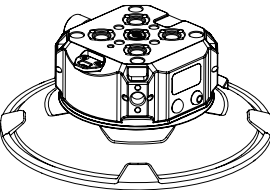
[功能介绍]

6寸电动吸盘主体 >>



04

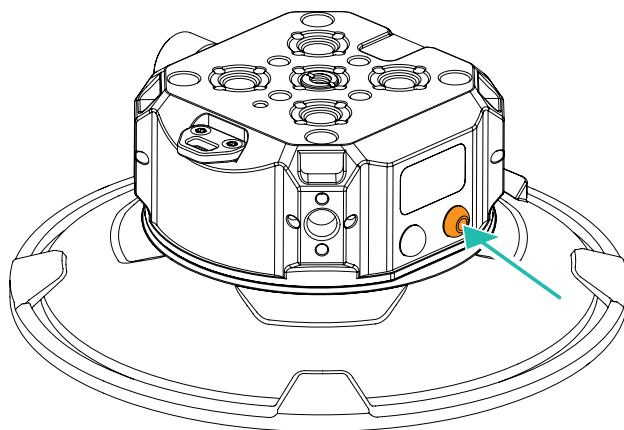
[产品参数]

产品名称	尺寸	重量	材质	物品清单
 6寸电动吸盘 (HDA-ESC-6)	164*164*66mm	654.5g	铝合金+塑料 +SUS304 +硅胶	6寸电动吸盘 ×1 无痕吸附底垫 ×1 运动相机快拆手腕带 ×1 充电线 ×1 说明书 ×1

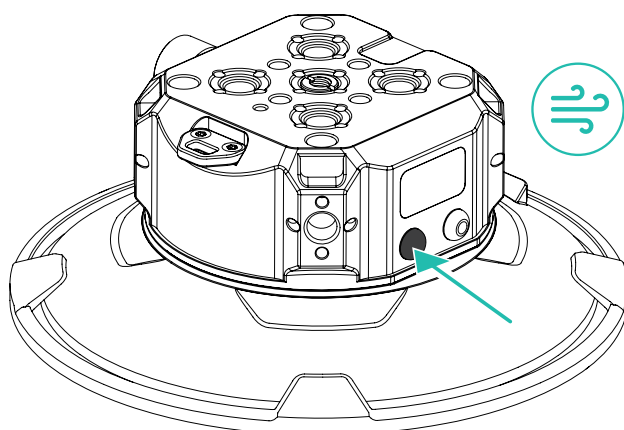
05 [使用介绍]

操作流程：

1. 将吸盘放在平整光洁的表面上。
2. 单击电源键开机，启动吸盘；手动按压吸盘顶部，保证吸盘贴合吸附面。
待负压数据达到99%后停止运行，即吸附完成。



3. 高原地区使用时，可在开机后，单击6次泄压按键，切换为高原模式，适应高原压强。
4. 长按泄压按键进行泄压，直至完全脱离吸附面，取下吸盘。



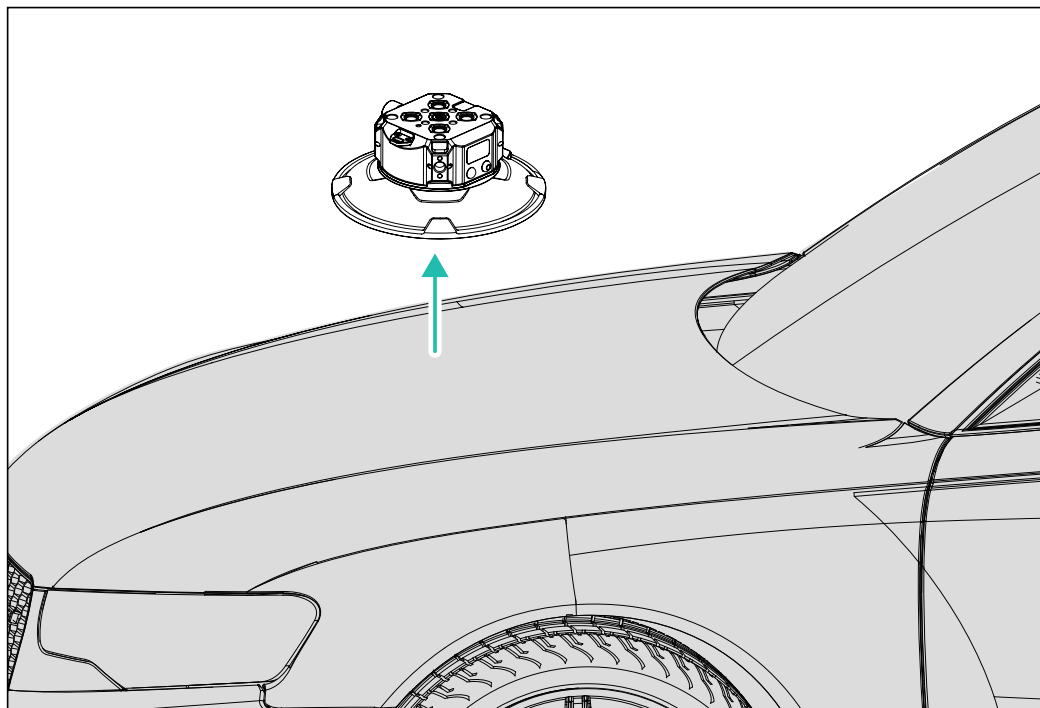
-
- ⚠ • 吸盘主体内置**3.7V 1500MAH**锂电池，支持Type-C接口外接充电。
- 出厂时吸盘已带**75%**左右电量，可放心使用。
- 每秒**1000**次气压检测，自动识别设备状态，漏气自动抽真空，确保吸盘时刻处于安全状态。
- 当吸盘在有液体的表面使用时，排气/排液孔会排出液体，此为正常现象。

06 [使用场景]

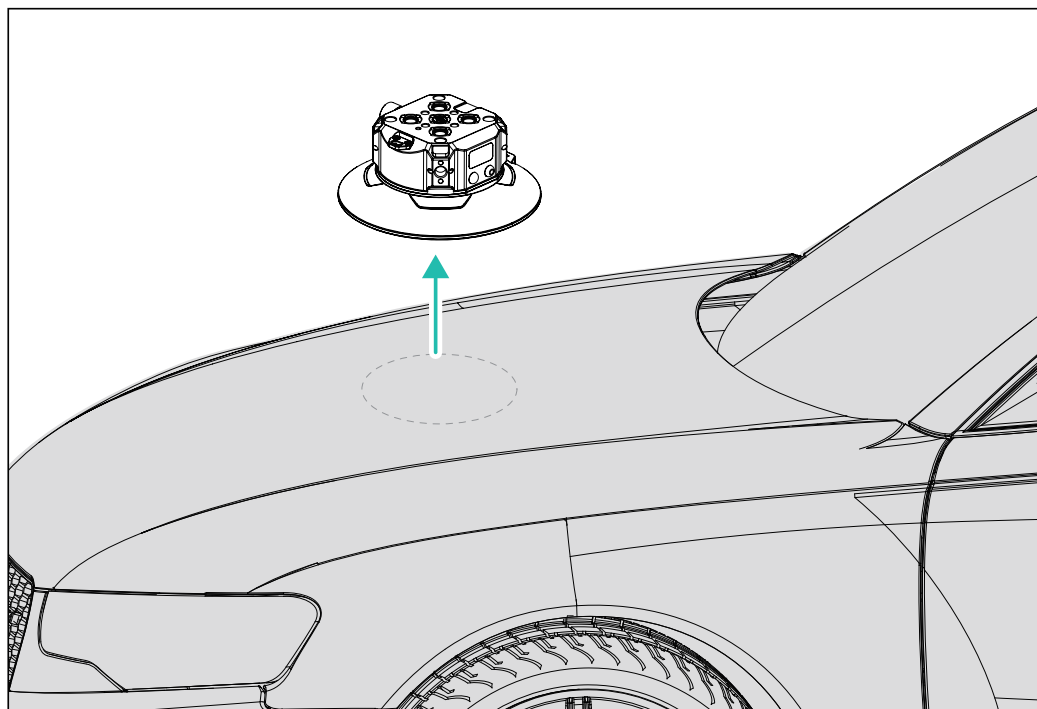
无痕吸附底垫（解决吸附留痕问题）：

1. 吸盘大力度吸附后，不会给偏软材质的吸附载体（如车衣、冰箱表皮等）留下凹痕。
2. 吸盘吸附在镜面物体后，不会留下印痕。

优先使用无痕吸附底垫吸附（无留痕）（吸盘带底垫侧吸挂载不超过30KG时）



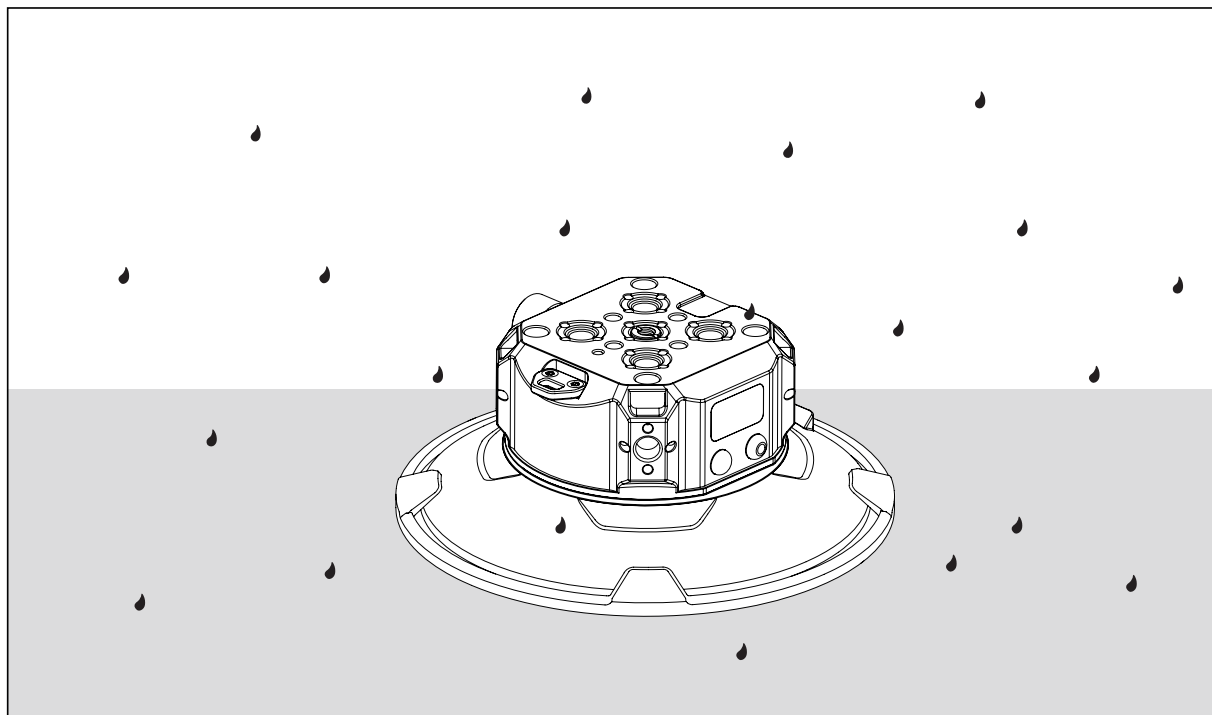
不使用无痕吸附底垫吸附（轻微印痕）



06 [使用场景]

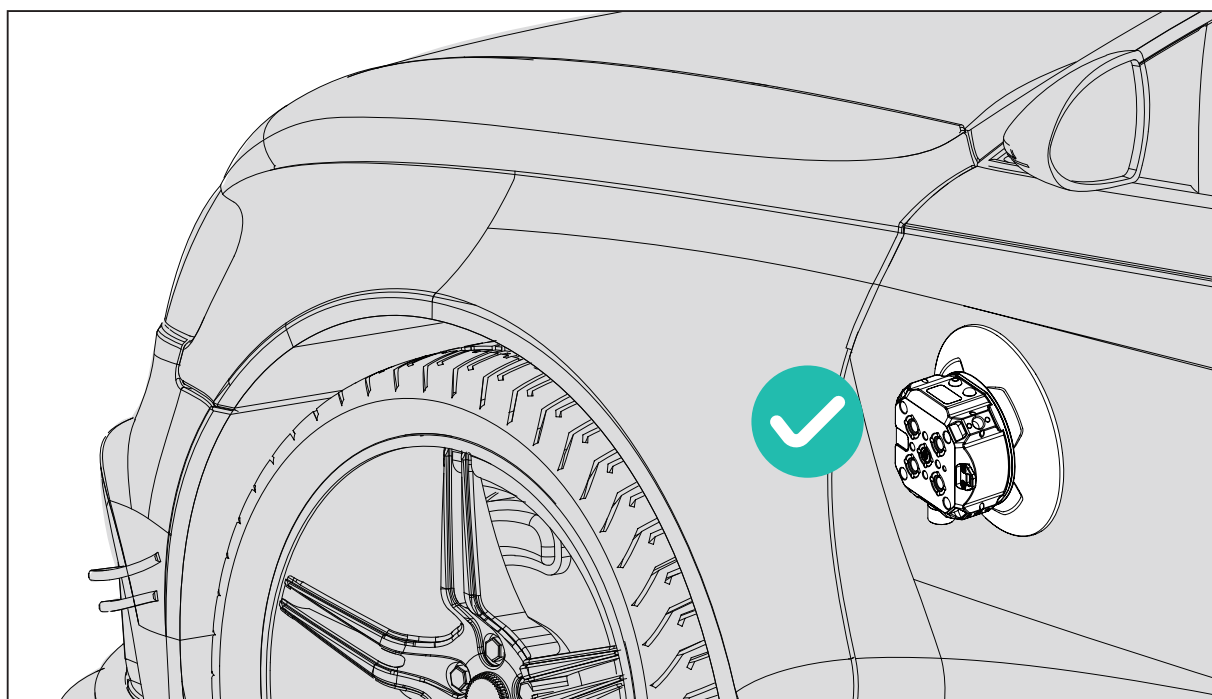
防水等级：IPX5

能应对日常泼溅和暴雨强冲击等场景，但不建议用于长期浸水或高压冲洗的场景。



注意事项：

吸盘带无痕吸附底垫侧吸时，挂载超30KG易吸附不稳、缓慢下滑。建议取消使用无痕吸附底垫，纯吸盘吸附力更强，不易下滑，固定更可靠。



07 [DISCLAIMER]

Thank you for purchasing TILTA products.

Before using this product, please carefully read this document to ensure that the product has been set up correctly. The final interpretation of this document and all related documents for this product belongs to TILTA. For updates, please visit the official website at www.tilta.com for the latest product information. TILTA reserves the right to modify any information in this manual at any time without prior notice and without assuming any responsibility.

By using this product, you are deemed to have carefully read the disclaimer and warnings, understood, agreed, and accepted all the terms and content of this statement. You promise to take full responsibility for the use of this product and any consequences that may arise. You commit to using this product only for legitimate purposes and agree to this term as well as any related regulations, policies, and guidelines set by TILTA .

TILTA is not responsible for any damages, injuries, or legal liabilities caused directly or indirectly by the use of this product. Users should follow all safety guidelines mentioned in this document, including but not limited to those mentioned.

Despite the above provisions, consumer rights are still protected by local laws and regulations and are not affected by this disclaimer.

TILTA is a trademark of Shenzhen TILTA Technology Co., Ltd. and its affiliated companies. Product names, brands, and other trademarks appearing in this document are trademarks or registered trademarks of their respective companies.

08 [CAUTIONS & WARNINGS]

The suction cup body has a built-in **3.7V 1500MAH** lithium battery. Before using this product, please strictly comply with the following instructions, Tilta will not be responsible for any consequences caused by incorrect operation or improper use.

Accessory Requirements

- Charging environment temperature higher than 40°C or lower than 5°C may lead to battery performance degradation, expansion, leakage, overheating and other damages.
- Do not store the battery in an environment that exceeds 60°C. The ideal ambient temperature for storage is 22°C to 28°C.

Operating Environment

- This device contains strong magnetism. To avoid magnetization effects, keep it away from magnetic cards, IC cards, implantable medical devices (e.g., pacemakers), hard disks, RAM chips, and other devices that are susceptible to interference.
- Use the battery in an environment where the temperature is between -20 °C and 45 °C. Higher temperatures may cause abnormalities in the battery. Excessive temperatures may cause abnormal expansion, fire, or even explosion of the battery. It is recommended to fully charge the battery at room temperature before using it in a low-temperature environment to extend the battery life.
- Do not place the device near flammable or combustible materials (e.g. carpets and wood products) for charging. Keep an eye on the charging process to prevent accident.

Operating Environment

- Store the device in a dry environment. Ideally, the device should be stored in an environment with a humidity of no more than 40%.

Battery Safety

 [Warning] This device is equipped with a non-removable internal battery, do not replace the battery yourself as this may damage the battery or the device.

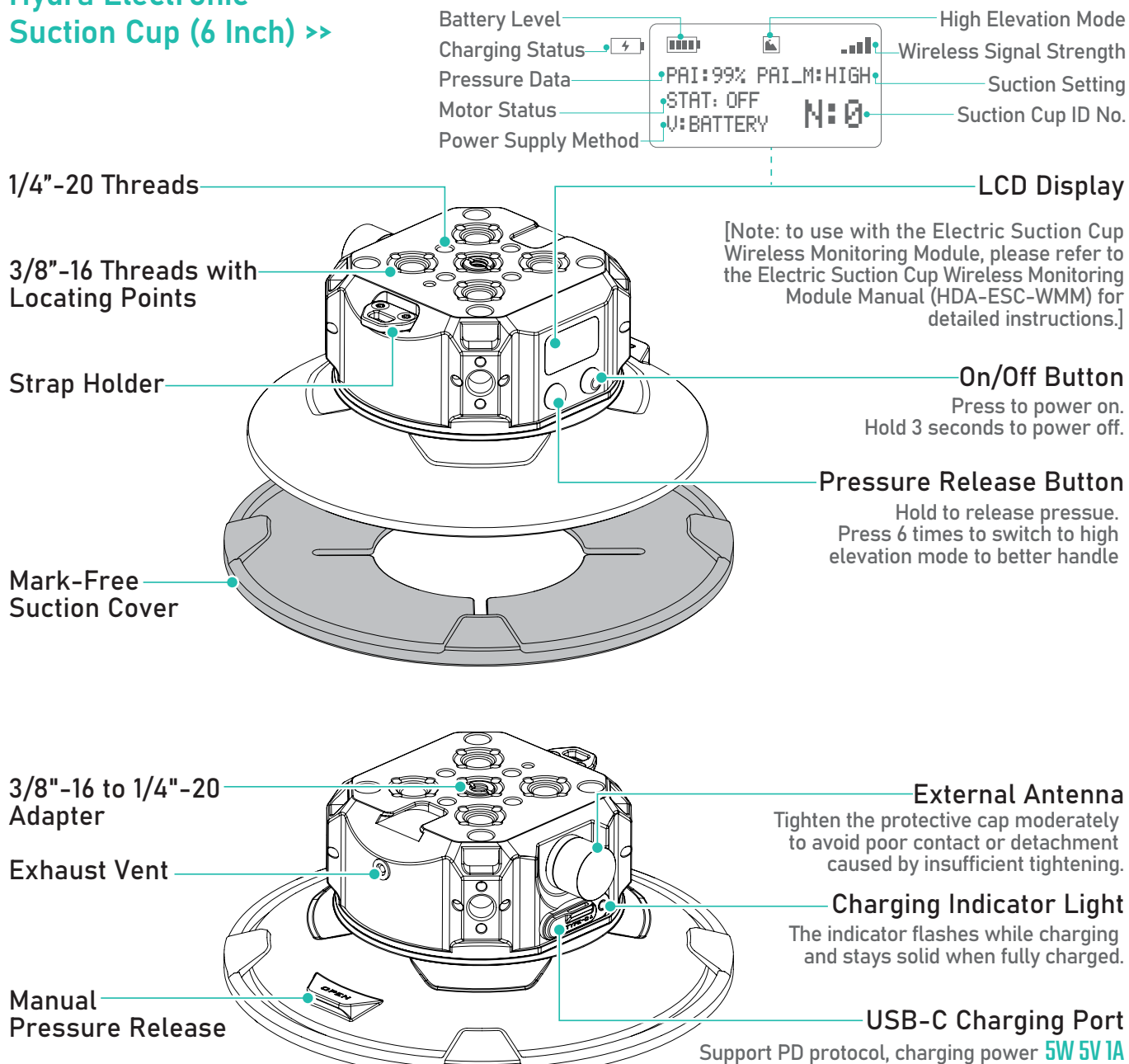
- Do not expose the battery to high temperatures or around heat generating devices such as sunlight, heaters, microwaves, ovens or water heaters. Overheating of the battery may cause an explosion.
- Do not disassemble or modify the battery, insert foreign objects, or immerse it in water or other liquids, as this may cause the battery to leak, overheat, catch fire, or explode.
- The electrolyte inside the battery is highly corrosive. If it accidentally comes into contact with your skin or eyes, rinse immediately with water for at least 15 minutes and seek immediate medical attention.
- Do not throw the battery into a fire as this may cause the battery to catch fire and explode.
- Do not drop, crush or puncture the battery. Avoid subjecting the battery to large external pressures, which could result in internal short-circuiting and overheating.
- Do not use a battery that has been damaged.
- Do not store the battery for a long period of time after it has been completely discharged to avoid over-discharging the battery and causing damage to the battery cells, which will make it impossible to resume use.
- Be sure to discharge the battery completely before placing it in the designated battery recycling bin. Batteries are hazardous chemicals and should not be disposed of in the trash. For details, please follow the local laws and regulations on battery recycling and disposal. If the battery cannot be completely discharged, please do not dispose of the battery directly in the battery recycling bin, but contact a professional battery recycling company for further processing.

Maintenance and Care

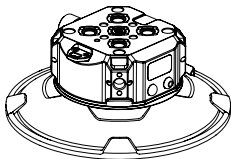
- Please keep the equipment clean and free of sand, dust and other foreign matter. Use clean and dry cloth to clean the foreign matter on the product in time.
- Please do not subject the equipment and its accessories to strong impact or vibration, so as not to damage the equipment and its accessories, resulting in equipment failure.

09 [PRODUCT FUNCTIONS]

Hydra Electronic Suction Cup (6 Inch) >>



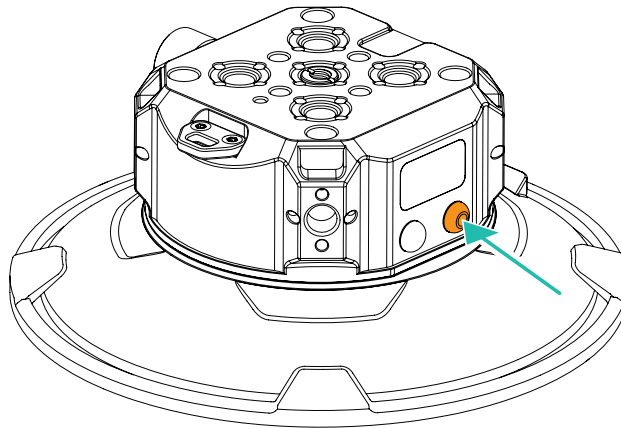
10 [PRODUCT SPECIFICATIONS]

PRODUCT NAME	DIMENSIONS	WEIGHT	MATERIALS	PACKING LIST
 Hydra Electronic Suction Cup (6 Inch) (HDA-ESC-6)	164*164*66mm	654.5g	Aluminum Alloy + Plastic + SUS304 + Silicone	6" Electronic Suction Cup x1 Mark-Free Suction Cover x1 Tilta Snap Lock Wrist Strap for Action Cameras x1 Charging Cable x1 User Guide x1

1 [INTRODUCTION]

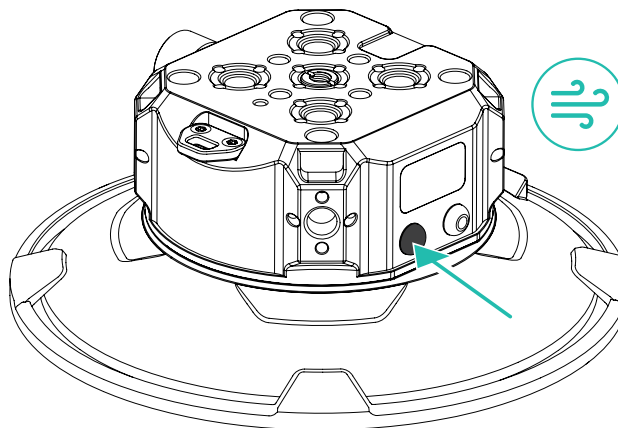
Operation Procedure:

1. Place the suction cup on a flat, clean, and smooth surface.
2. Press the power button once to start the device. Begin suction and manually press down on the top of the suction cup to ensure full contact with the surface. When the pressure reading reaches 99%, the attachment is complete.



Operating Procedure:

3. When using the device in high elevation areas, press the pressure-release button 6 times after turning it on to switch to High Elevation Mode. This helps the device adjust to the lower air pressure.
4. To release suction, press and hold the pressure-release button until the device fully detaches from the surface, then remove the suction cup.



- Suction cup body contains a **3.7V 1500MAH** lithium battery, supports USB-C external power supply.
- The suction cup is charged to about **75%** at the time of shipment, ready for use.
- **1000** air pressure checks per second, automatic device status recognition, auto-suction in case of a leak, constantly maintaining the suction cup's suction.
- It is normal for the exhaust vent to expel liquid when the suction cup is used on wet surfaces.

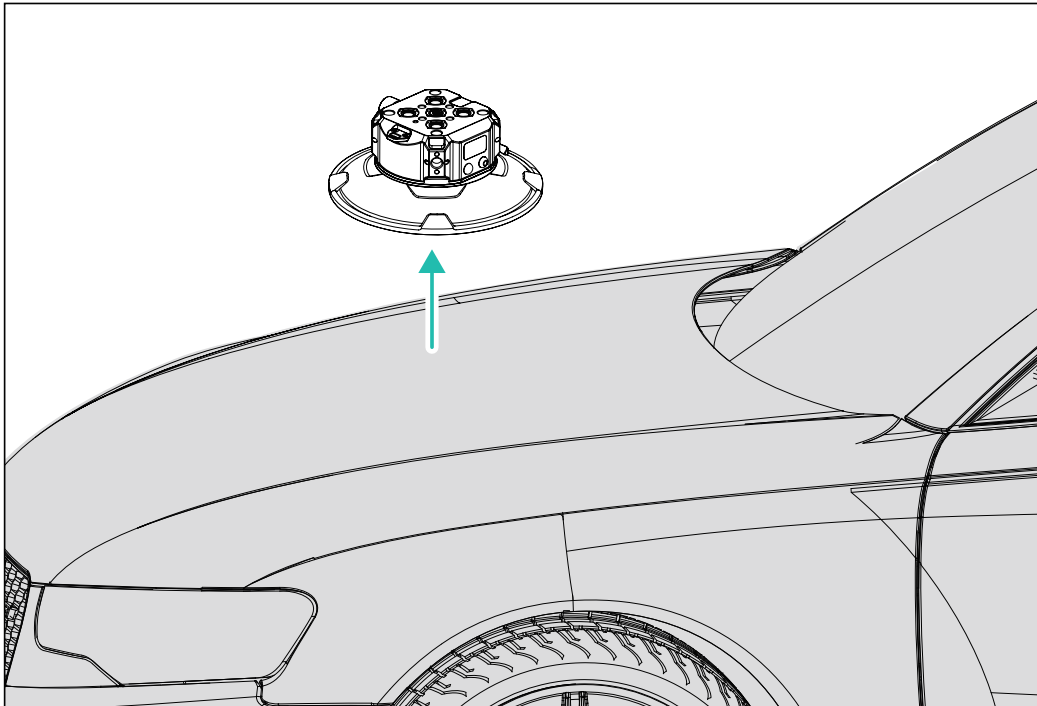
2 [SETUP EXAMPLES]

Mark-Free Suction Cover

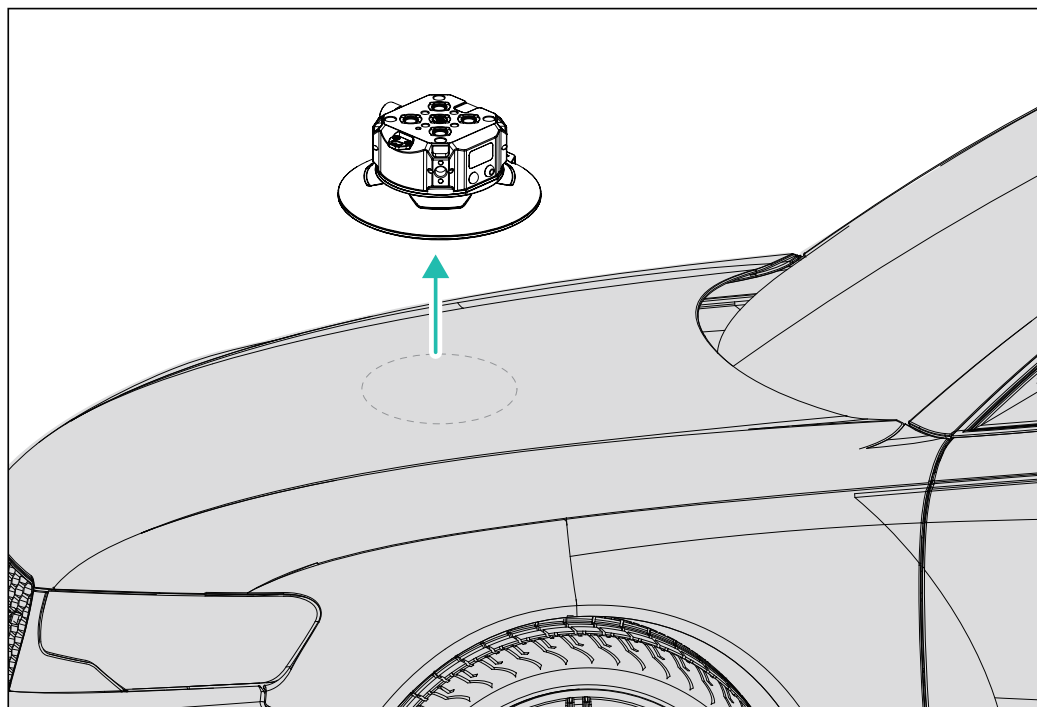
(Solving the issue of residual marks from suction attachments):

1. After applying strong suction, the suction cup will not leave dents on soft materials (e.g., Wrapped Car, refrigerator surfaces, etc.).
2. When the suction cup attaches to mirror-like surfaces, it will not leave any marks. For best results, use the mark-free suction cover (mark-free)

(The suction cup with this attachment should not exceed 30KG when side mounting.)



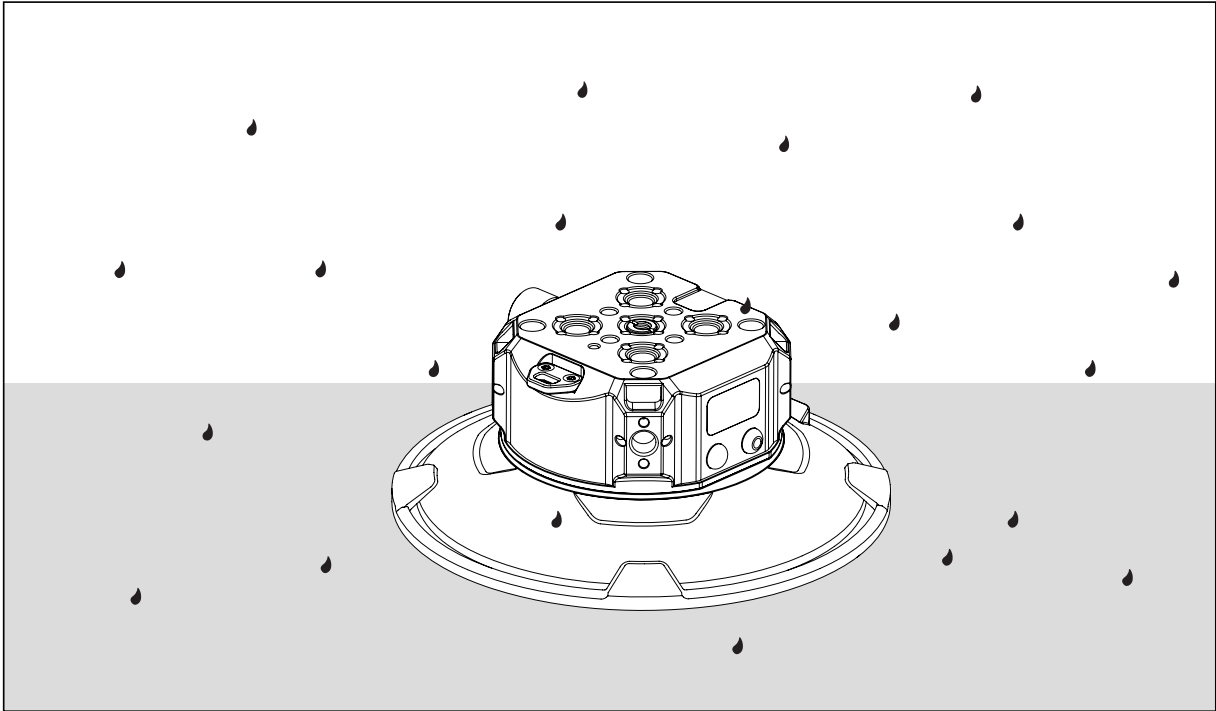
Without using the mark-free suction cover. (may leave light marks)



1 2 [SETUP EXAMPLE]

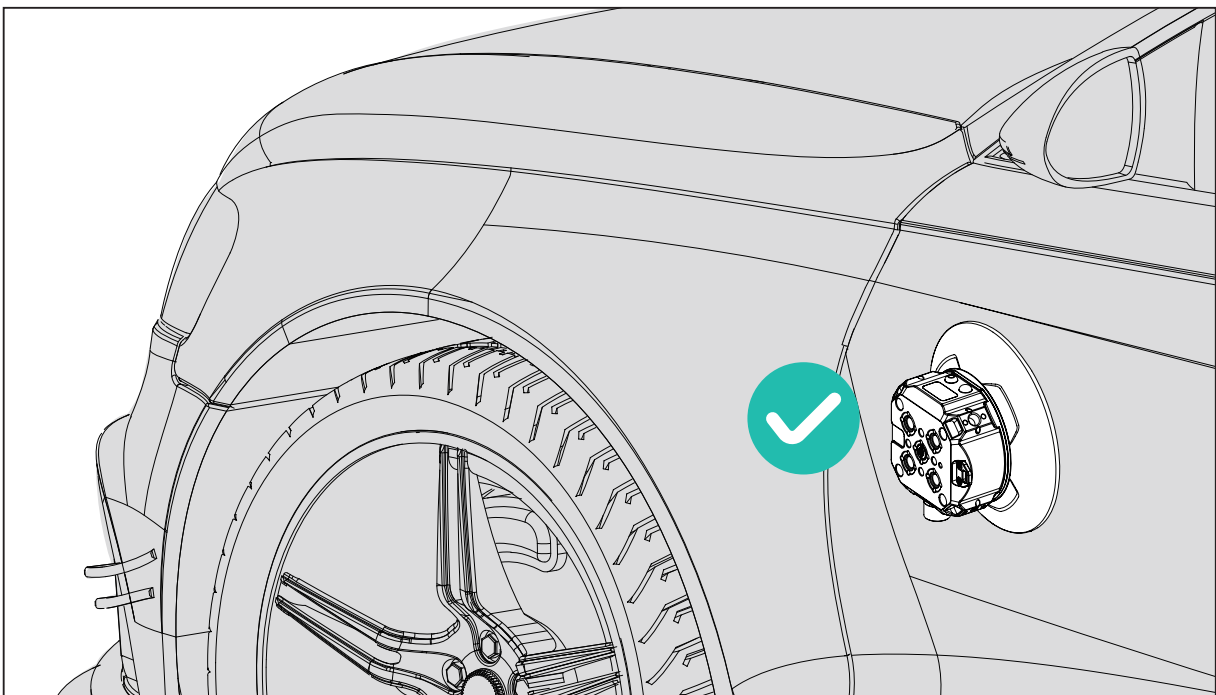
Waterproof Rating: **IPX5**

Can withstand everyday rain and heavy rain impact, but it is not recommended for use in situations involving prolonged immersion in water or high-pressure washing.



Note:

When using the suction cup with the mark-free suction cover and side mounting, if the load exceeds 30kg, it may cause instability and slowly slip. It is recommended to remove the mark-free suction cover for better suction strength with just the suction cup to reduce slipping and ensure a more reliable connection.



IC CAUTION

- English:

This device complies with Innovation, Science and Economic Development Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:

- (1) This device may not cause interference, and
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

To maintain compliance with RSS-102 RF Exposure guidelines, This equipment should be installed and operated with minimum 20cm distance between the radiator and your body: Use only the supplied antenna.

- French:

Cet appareil est conforme aux normes RSS exemptées de licence d'innovation, sciences et développement économique Canada.

L'exploitation est autorisée aux deux conditions suivantes:

- (1) l'appareil ne doit pas produire de brouillage, et
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement. Pour être conforme aux lignes directrices d'exposition RF RSS-102, cet équipement doit être installé et exploité à une distance minimale de 20cm entre le radiateur et votre corps: n'utilisez que l'antenne fournie.

FCC WARNING

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum 20cm distance between the radiator and your body: Use only the supplied antenna.