



HERCULUX
恒坤光电

chengdu Herculux photoelectric technology co., LTD
Factory: chengdu shuangliu district, iot industrial park 2 road herculux photoelectric park
TEL: 028-8588 7727 FAX: 028-8588 7730
Shenzhen Herculux photoelectric technology co., LTD
Address: shenzhen nanshan district nanshan cloud valley innovation industrial park
comprehensive service building, 501-505
TEL: 0755-2937 1541 FAX: 0755-2907 5140

Chengdu Herculux Photoelectric Technology Co., Ltd

Product Approval

Approval number:

Customer:

Product name: MAVIC PRO

Material Code: 1.09.33515

Product number: HK-38@96-0969-ASM

Manufacturer: Chengdu Herculux Photoelectric Technology Co., Ltd

Effective date of recognition: / /

Supplier confirmation				Client confirmation			
Proposed		Date		Qualifie ☐		Date	
				Unqualifie ☐			
Audit		Date		Audit		Date	
Approved		Date		Approved		Date	
Stamp		Date		Stamp		Date	

(Confirmation of acceptance by both parties must be signed and sealed)

Factory: Chengdu Shuangliu District, industrial park IOT 2 road HercuLux Photoelectric
Park

TEL: 028-85887727 (801) 028-85887990 (801) FAX: 028-85887730

*Approval in duplicate, for both supplier and customer



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Specification

Product appearance:



Size:



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Technical Remark:

- 1、 The surface treatment of the structural parts of this series of products is: **sandblasting + black matte anodising**, guaranteeing no discolouration within one year.
- 2、 This product is suitable for temperatures not exceeding 80 degrees Celsius, and is not suitable for outdoor environments.

Function:

This product consists of multiple optics for infinite focus, changing the spot shape and the entire optical lens, which can be freely rotated along the base.

① : Maximum circular light spot size.

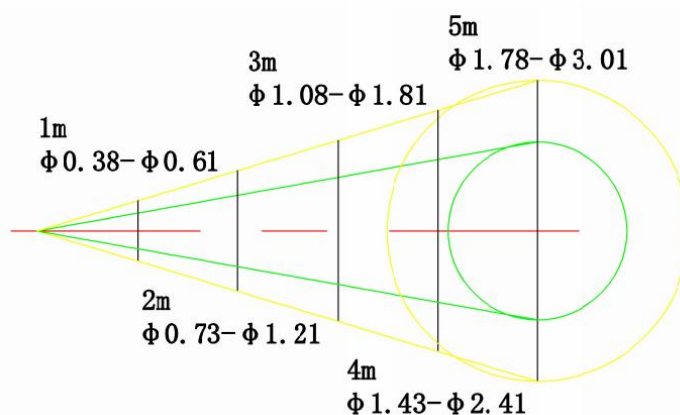
Light spot at 1M: 0.38M-0.61M;

Light spot at 2M: 0.73M-1.21M;

Light spot at 3M: 1.08M-1.81M;

Light spot at 4M: 1.43M- 2.41M;

Light spot at 5M: 1.78M-3.01M;

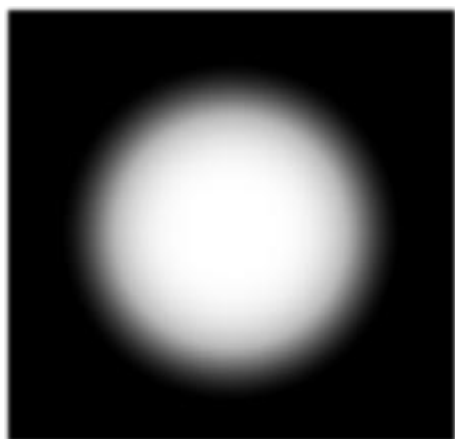


② : Adjustment of the spot edge sharpness by rotating the adjustment structure.

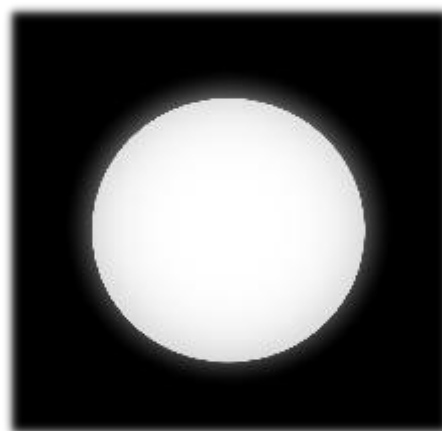


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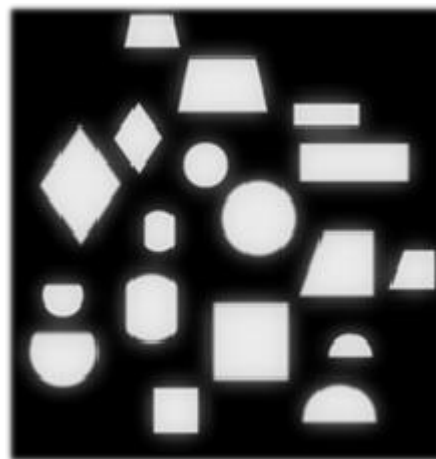


Rotary focus



③ : The shape of the light spot can be freely changed by blocking the light imaging with the insert.

Switchable spot shapes are: square, rectangle, parallelogram, trapezoid, rhombus, semicircle and any irregular quadrilateral, etc.

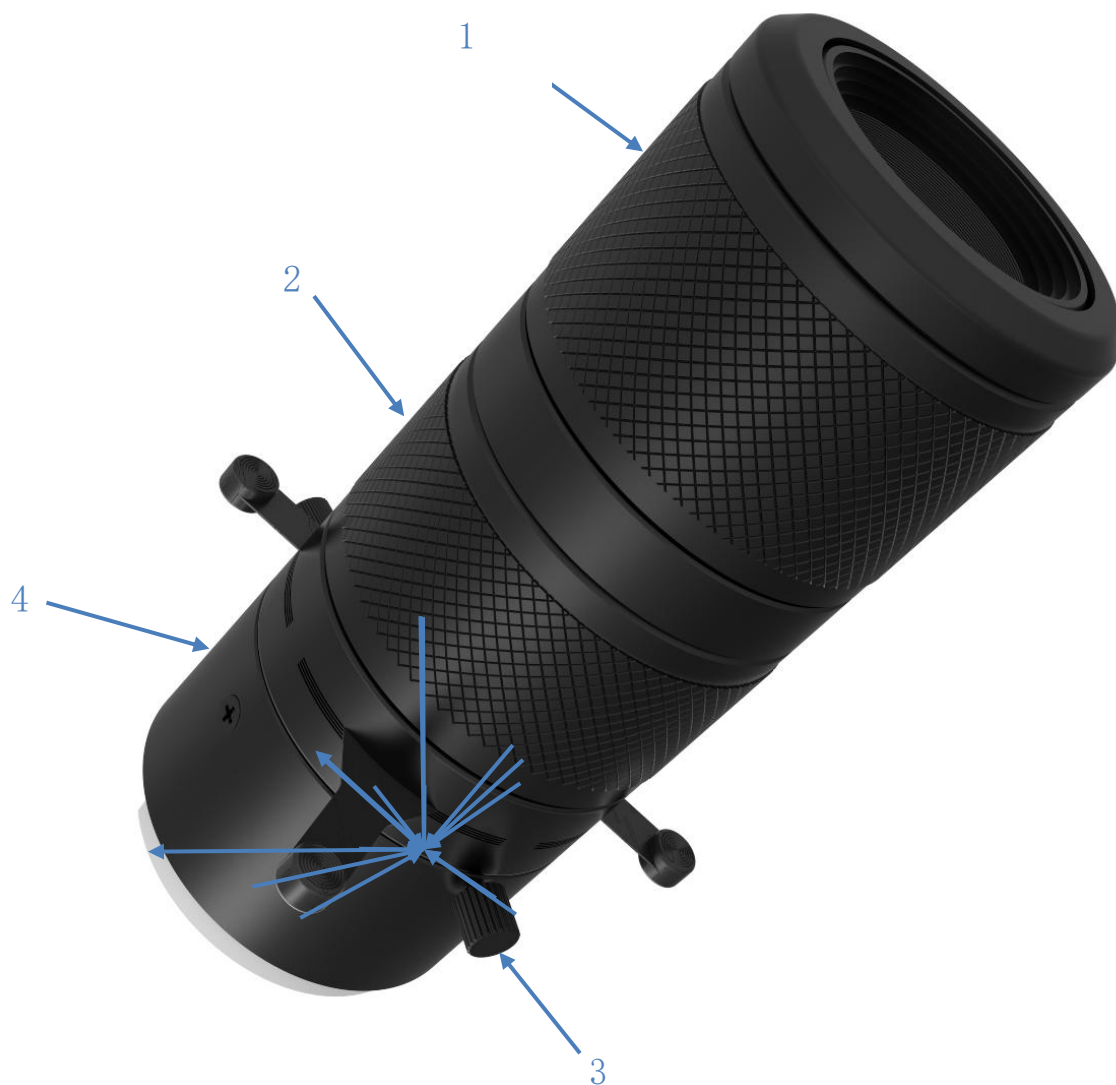


Instructions:

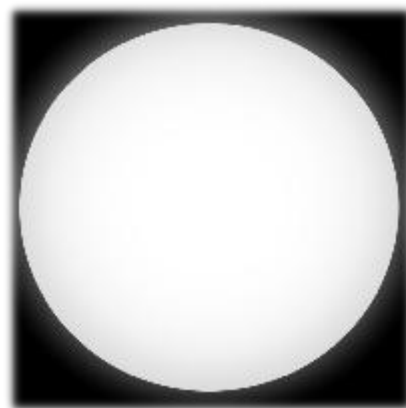


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Step 1 : By rotating the No. 2 accessory, it will drive the internal lens to do telescopic movement, so as to change the spot size.

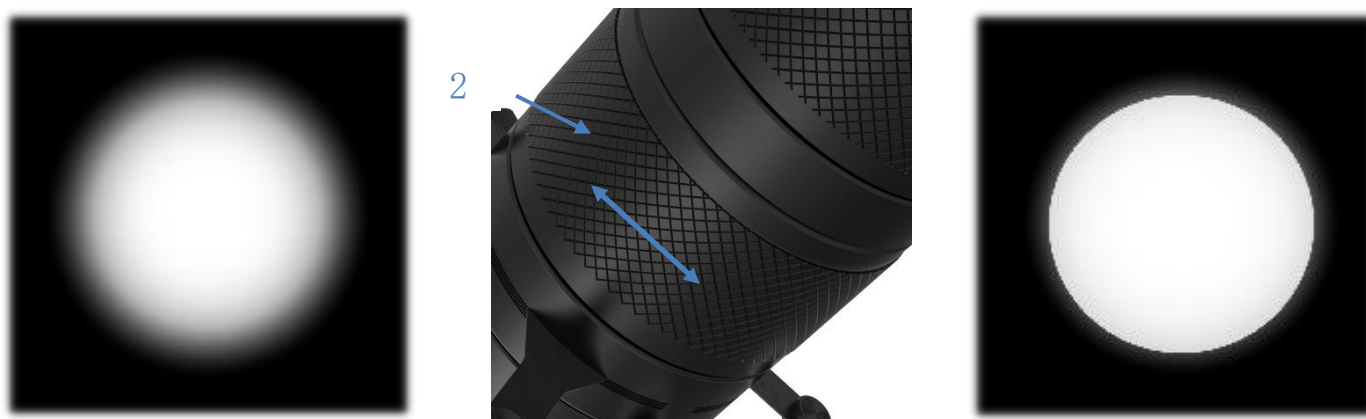




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Step 2: By turning the No. 2 accessory, it will drive the internal lens to do telescopic movement, so as to change the sharpness of the edge of the spot.



Step 3: Loosen the thumb screws 3 on both sides (note: just loosen the thumb screws half a turn, do not unscrew too much, otherwise it will fall off!), the whole lamp can be rotated 360° around the No. This corresponds to the required position of the special-shaped spot.



Step 4:

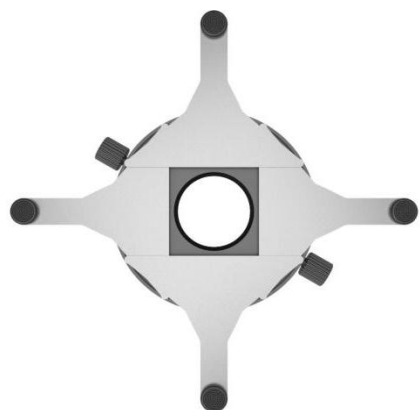
Insert and remove the four inserts, and rotate and adjust to change the shape of the light spot, as shown in the example below:

State A:



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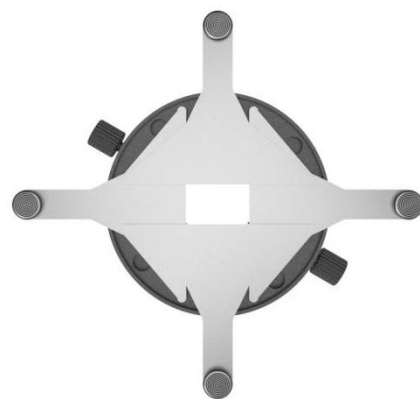
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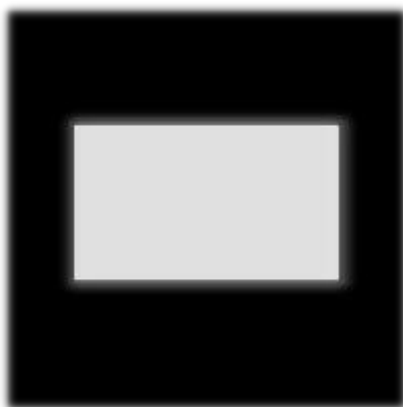
round



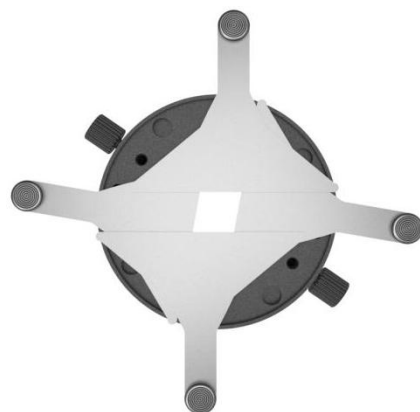
State B:



rectangle



State C:



parallelogram

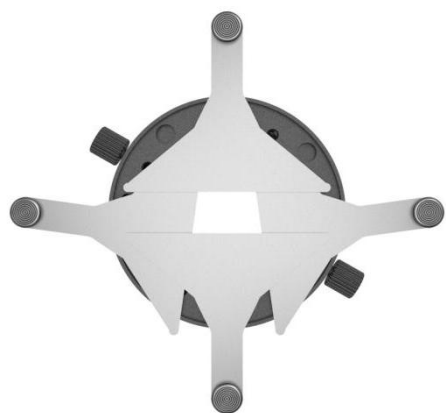


State D:

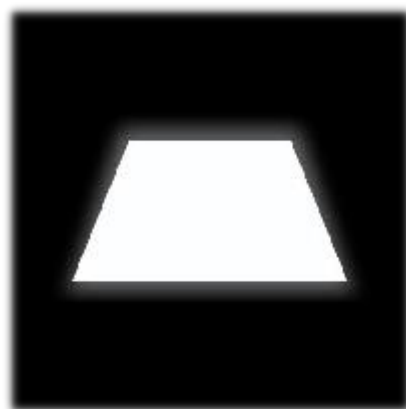


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trapezoid



State E:



Irregular

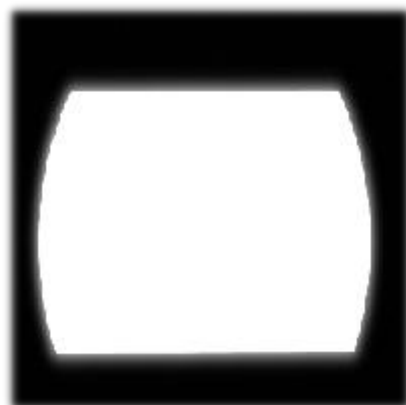
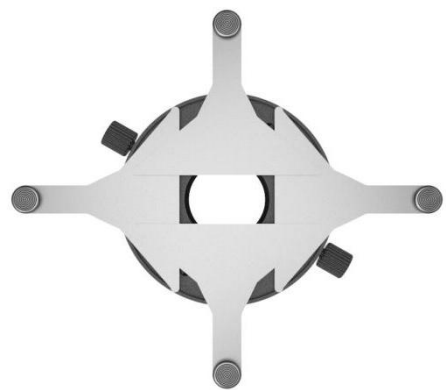
quadrilateral



State F:

cut edge

round

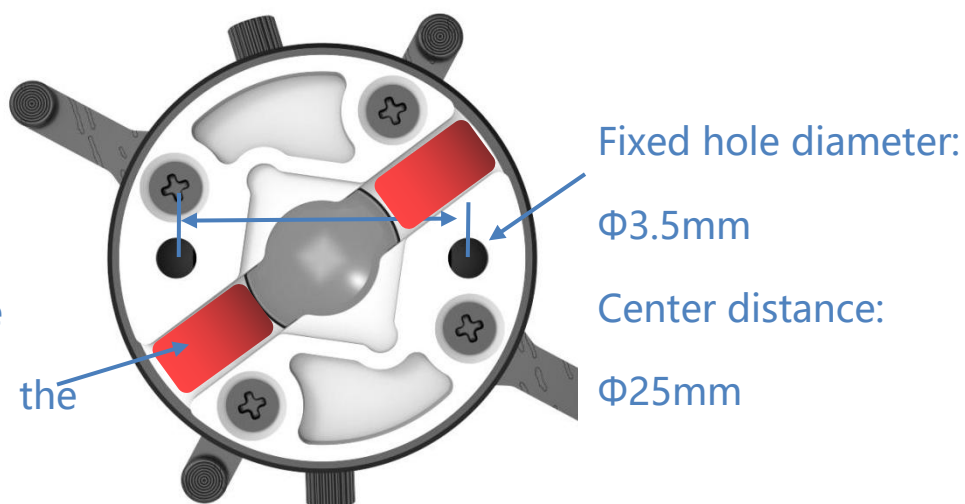


Assembly size:



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The red area is the
outgoing range of the
bracket, width: 6mm, the
wire diameter is
less than 2mm

Applicable IES of the light source: 4-6mm,
Substrate size: 13.5mm*13.5mm*1mm



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The red area is the
outgoing range of the
bracket, width: 4mm, the
wire diameter is less than
2mm



Fixed hole diameter:

Φ3.5mm

Center distance:

Φ25mm

Applicable IES of the light source: 4-6mm,

Substrate size: 12.5mm*12.5mm*1mm

Installation Method:



Loosen the screws 3 on both sides, Remove the Phillips countersunk screw 5

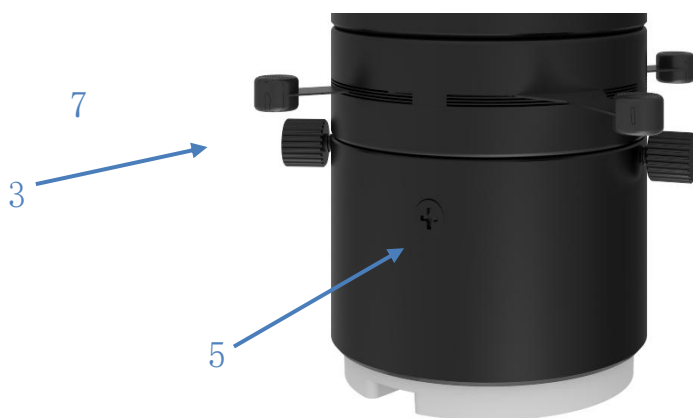


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Remove components 6, Put component 6 as a whole into the corresponding light source position on the radiator and fix it with screws, then insert component 7 into component 6



Rotat component 7 corresponds to the upper screw hole, screw in the Phillips countersunk screw 5, and tighten the thumb screws 3 on both sides



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Quality Inspection :

Test Report

1.Size		Standard size	Maximum size	Minimum size	Sample 1	Sample 2	Sample 3	Sample 4	Judgment
	Outer Diameter	38.00	38.10	37.90	38.05	38.07	38.01	37.95	OK
	Shortest height	96.20	96.4	96	96.10	96.25	96.31	96.21	OK
	Bracket Outer Diameter	35.00	34.90	35.10	35.02	35.05	34.95	34.97	OK
	Holder height	3.5	3.6	3.4	3.45	3.48	3.43	3.52	OK
	Bracket fixing hole φ3.5	25.00	25.10	24.90	25.02	25.05	24.95	24.96	OK
	Maximum zoom range	7.00	7.20	6.80	6.95	7.10	7.15	7.05	OK
2.Appearance	There are no obvious defects such as oil stains, fingerprints, scratches, and dust on the surface of the light-emitting and light-incoming lenses.								OK
	The appearance of aluminum parts is free from scratches and oil stains, and the black coating has no peeling off and white leakage.								OK
	The insert has no bending deformation and the black coating on the surface is not peeled off or scratched, etc..								OK
3.Functional Indicators	The focus assembly rotates smoothly, with moderate resistance, without jamming and stagnation.								OK
	The four inserts are plugged in and out and rotate smoothly, with moderate resistance and no jamming or hesitation.								OK
	The base rotates smoothly, stays at any angle, moderate resistance, no jamming and swinging.								OK
	The edge of the cut-off circular spot is smooth without obvious gaps.								OK
	Any spot without black spots.								OK
	Cut-off line is smooth without gaps when cut-off spot with insert.								OK
	There is no obvious uneven light and dark area in the light spot at any position.								OK

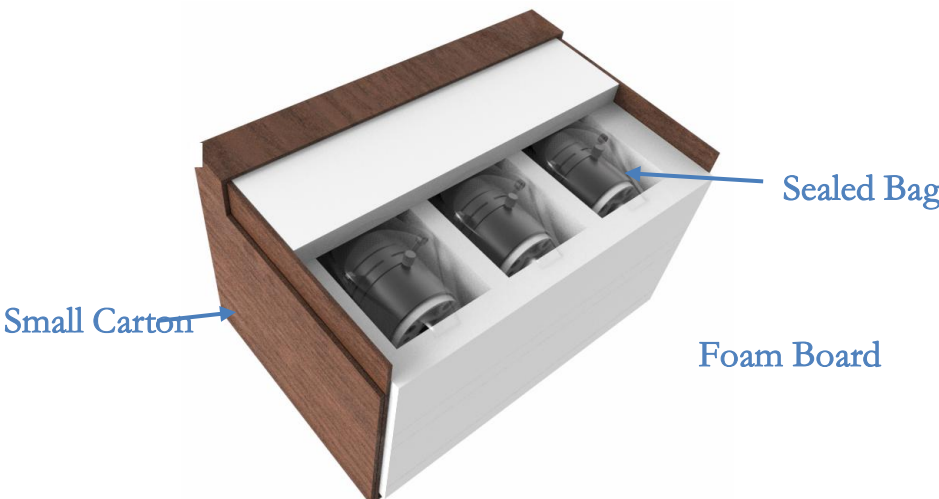


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Comprehensive judgment	Qualified
Remark: Tool Number: V-Vernier caliper 2D-Two-dimensional H-Height gauge M-Tool microscope P-Needle T-Thickness gauge R-Radius gauge E-Visual inspection	

Packing:

Chengdu HercuLux Optoelectronics Technology Co., Ltd.							
PN		HK-38@96-0969-ASM		Product Name		Mavic PRO	
MN		1.09.33515		Customer			
Packing Picture							
Product Packing		6	pcs/box				
Packing Picture	NO.	MN	Item Name	Specification	Single Box Dosage	Unit	Remark
	1		Small Carton	120*150*223	1	pcs	
	2		Small Carton	125*150*210	1	pcs	
	3		Sealed Bag	6	6	pcs	



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	4		Foam Board	50*140*200	2	pcs	
	5		Foam Board	18*140*200	1	pcs	

Weight:

	Name	Quantity	Unit (g)	Weight	Remark
1	Mavic Pro	1	g	176.6	
2	Mavic Pro	6	g	1059.6	
3	Mavic pro and Box		g	1314.5	6 Mavic pro in a box