

一、 User Manual

A02 is a TDOA (Time Difference of Arrival) general anchor in the IPS, designed by Nooploop independently. It can be used in industrial intelligence, warehousing and logistics, production safety, smart city, smart navigation and other scenarios.

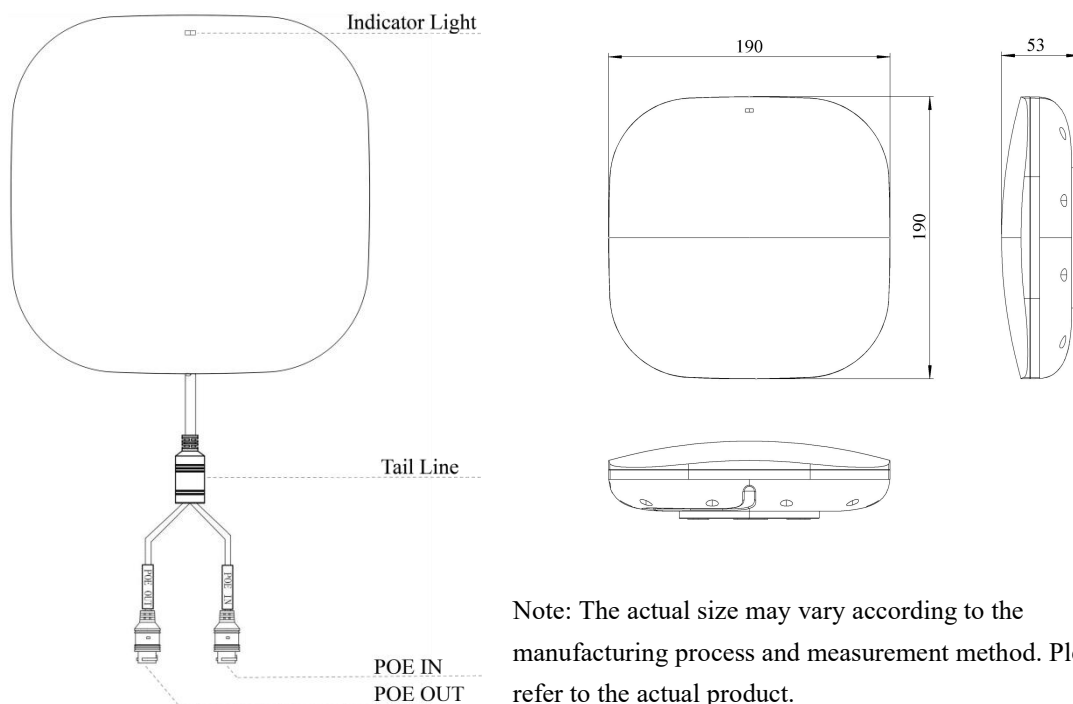


Parameters	Typical
Model	A02
Antenna	Internal Antenna
Weight	420g
Dimensions	190*190*53mm
Shell Material	ABS+PC (Flame Retardant)
Communication Interface	POE (One input, one output)
Power Supply	POE (39~57V DC)
Power Consumption	3.0W
Number of Cascades	6, total length≤150m
UWB RF CH	CH5: 6489.6MHz, CH9: 7987.2MHz
Channel Bandwidth	500MHz
TX Power	≤-41.3dBm/MHz
Distance Range	Open space: 100m, typical: 50m
Operating Temperature	-20℃ ~ 70℃
Storage Temperature	-40℃ ~ 85℃
Operating Humidity	10% ~ 90% non-condensing
Ingress Protection	IP66
Surge Protection	Differential-mode ±6kV
Interaction	Indicator Light
Tail Line Length	40cm

Structure

Dimensions

Unit: mm



Note: The actual size may vary according to the manufacturing process and measurement method. Please refer to the actual product.

*This equipment may only be operated indoors. Operation outdoors is in violation of U.S.C.301 and could subject the operator to serious legal penalties.

FCC Statement

1. 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.
- (2) This device must accept any interference received, including interference that may cause undesired operation.

2. 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.

The device has been evaluated to meet general RF exposure requirement. This equipment should be installed and operated with a minimum distance of 20 cm between the radiator and your body.

Update Log

Version	Update Note	Date
V2.1	*	20241212

Contact

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