FRONT

BACK

BASE PLATE

FRONT OF UNIT

PARTS LEGEND

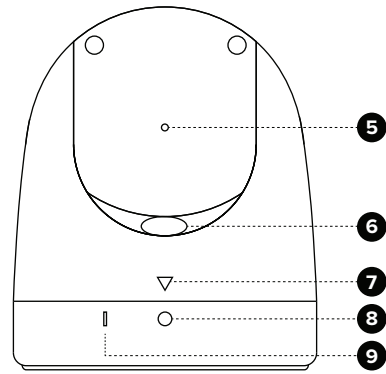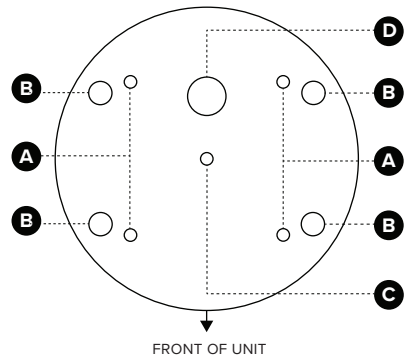|	
1	PIVOTING HEAD
2	CAMERA OPTIC
3	MAIN HOUSING
4	BASE PLATE
5	STATUS LED
6	TILT LOCK
7	CENTER MARK
8	LOCKING SCREW
9	UNLOCK MARK
A	M6 THREADED
B	TOP DOWN THROUGH HOLES
C	1/4-20 TRIPOD MOUNT
D	CABLE HOLE

INCLUDED

NIGHTWAVE CAMERA

POWER + ANALOG VIDEO CABLE (5M)

SMA TO BNC ADAPTER

BNC TO RCA ADAPTER

POWER FUSE + FUSE HOLDER

DIGITAL USB VIDEO CABLE (2M)

BASE GASKET

MOUNTING HARDWARE KIT

INSTALL TEMPLATE

LED STATUS

ORANGE	BOOTING
BLUE	RUNNING
RED	FAULT

⚠ **Prior to installing the camera, consider the following:**

- Select an installation location as high as practical with minimum obstructions.
- Select an installation location that is greater than 1m from any magnetic compass.
- Select an installation location that is greater than 1m from any source of EMI.
- The mounting surface must be horizontal and level.
- Ensure the camera installation hardware does not weaken the boat's structure.
- Choose a drill size appropriate for the installation surface material and types of fasteners.
- Ensure there are no hidden structures, wires or conduits beneath the install area that may be damaged by the installation hardware.
- Ensure cable length and routing is adequate for installation location interference. (Radio, generators, motors, radar)

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We are committed to enhancing visibility, safety, and performance in low-light environments, empowering professionals and adventurers with cutting-edge digital night vision technology.

REGISTER YOUR DEVICE

Register your device and stay up to date by visiting the URL or scanning the QR code below.

www.sionyx.com/register

NEED HELP?

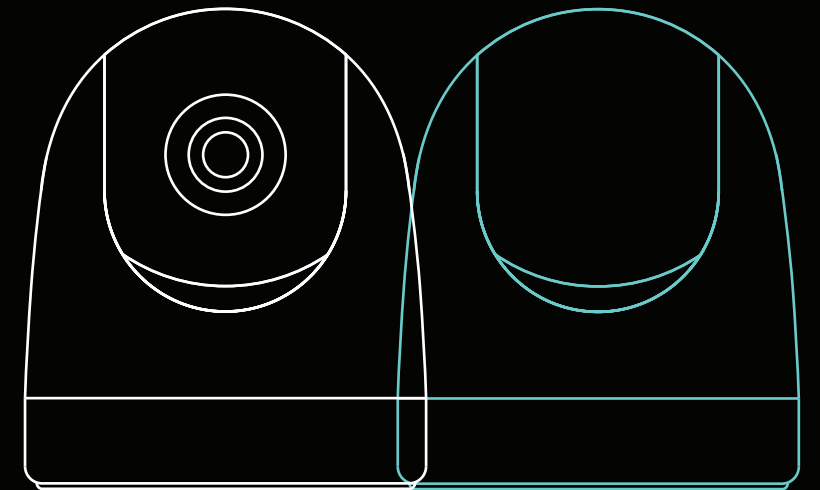|	
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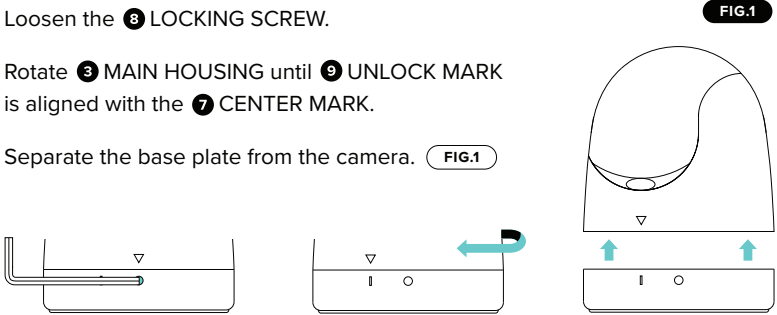
R3

SIONYX **NIGHTWAVE**™

QUICK START GUIDE

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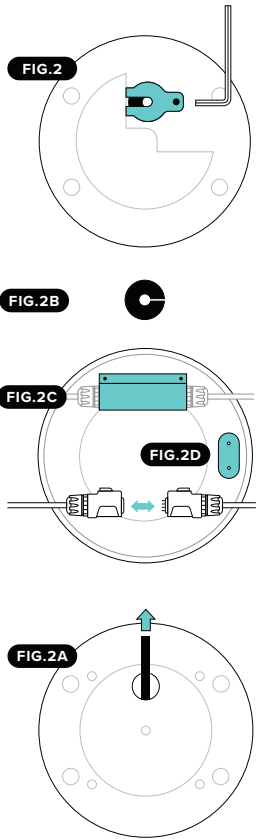*If changing of the pre-wired cable is required, proceed with the following steps.*

SEPARATE CAMERA FROM BASE PLATE

1 Loosen the **❽** LOCKING SCREW.

2 Rotate **❸** MAIN HOUSING until **❾** UNLOCK MARK is aligned with the **❼** CENTER MARK.

3 Separate the base plate from the camera. `FIG.1`

`FIG.1`

CONNECT CABLES

1 Separate camera from base plate.

2 Remove cable retainer with the included Allen wrench. `FIG.2`

3 Remove rubber gasket from cable. `FIG.2B`

4 Remove connector protective cover. `FIG.2C`

5 Remove cable strain relief cover. `FIG.2D`

6 Separate connectors & remove cable from housing.

7 Feed new cable through housing `FIG.2A` & install rubber gasket around it. `FIG.2B`

8 Mate connectors, lay them in position and install the protective cover.

9 Pull extra cable slack through housing `FIG.2A` & re-install cable retainer. `FIG.2`

10 Re-connect the base plate to the camera.

`FIG.2`
`FIG.2B`
`FIG.2C`
`FIG.2D`
`FIG.2A`

CONNECT TO POWER

Follow marine electrical standards when wiring the camera.

1 Determine that proper voltage levels are available. (12V DC)

2 Finalize cable installation.

3 Install in-line fuse. **Ⅶ**

4 Connect power wires to corresponding positive and negative power terminals. **Ⅱ** + **Ⅲ**

5 If using USB-A connecter instead, see `DIAGRAM 2`

CONNECT TO VIDEO

1 Locate the video input on your display.

2 Install appropriate adapter if necessary. `FIG.4` `DIAGRAM 1`

3 Connect Analog video output `DIAGRAM 1` to Analog video input of your display.

4 If using USB-A connector instead, see `DIAGRAM 2`

ADJUST THE TILT

1 Remove protective rubber cap and loosen the **❻** TILT LOCK SET SCREW. `FIG.5`

2 Set the angle by manually adjusting the pivoting head of the camera, forward and back.

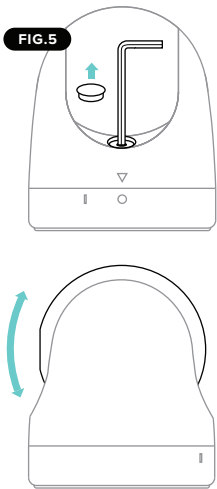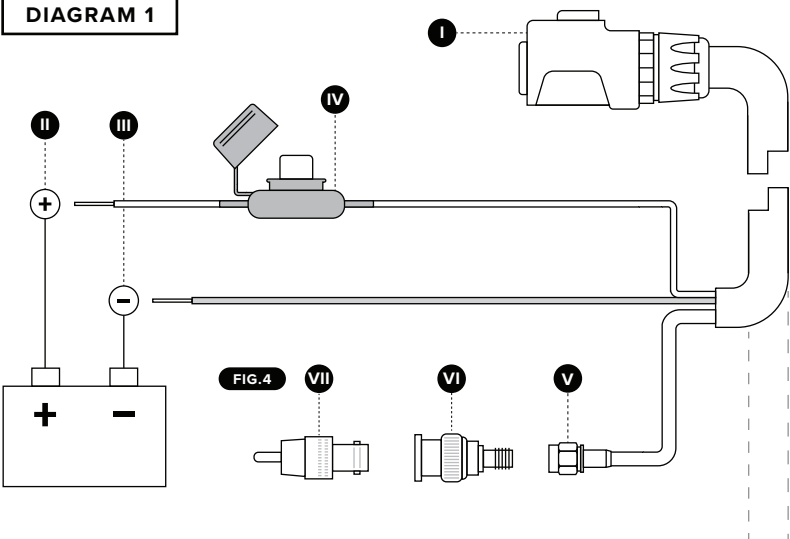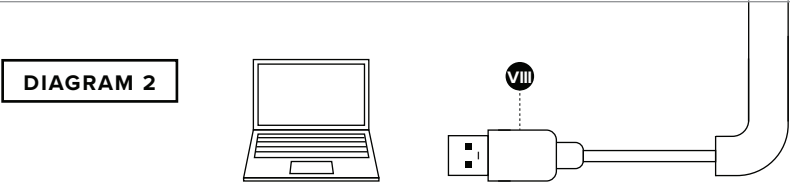**3** Gently tighten the set screw and replace the rubber protective cap.

`FIG.5`

`DIAGRAM 1`

`FIG.4` **Ⅶ** **Ⅵ** **Ⅴ**

`DIAGRAM 2`

Ⅷ

I	WATERPROOF CONNECTOR ON CAMERA END
II	+12V TERMINAL
III	GROUND TERMINAL
IV	IN-LINE FUSE HOLDER + FUSE
V	SMA VIDEO CONNECTION
VI	SMA TO BNC ADAPTER (USE IF NECESSARY)
VII	BNC TO RCA ADAPTER (USE IF NECESSARY)
VIII	USB POWER + VIDEO (SEPARATE CABLE)

Aim your cellphone camera at the QR code to download the full NIGHTWAVE User Manual.

EN Full Documentation
FR Documentation Complète
IT Documentazione Completa
SP Documentación Completa
DE Vollständige Dokumentation

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