Omnisense Ulysses Setup Guide

NAVnet
TZ touch 3

FURUNO
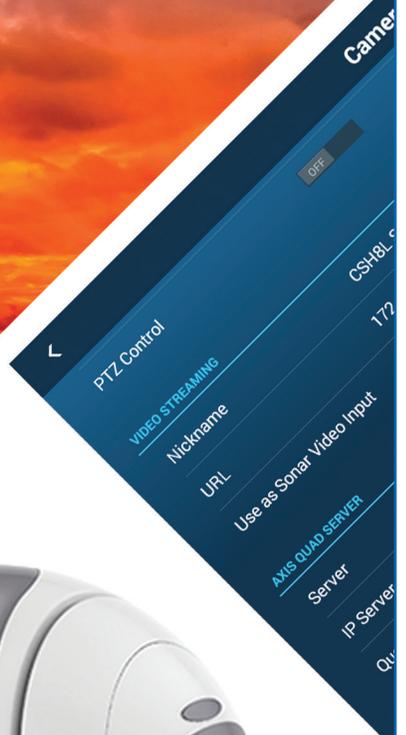
Omnisense Ulysses/Ulysses Mini Camera Setup Instructions for TZT2BB and TZtouch3 MFDs

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Camera

Junction Box

Controller

1.5M Analog Video Cable

10M Power/Network Cable

2M Controller Cable

1M 2C Power Cable

Manuals and Templates

2. Prerequisites

1. Furuno NavNet TZtouch3 with software version 2 or higher (TZT2BB requires v8.01 or higher)
2. Omnisense camera
3. RJ4-5CN-STR (RJ45 Female-Female coupler) for connection of the TZT3 to Omnisense Junction Box
4. 4MM Allen to open Omnisense junction box
5. BNC Female to RCA male (either connector or cable) to temporarily connect Omnisense camera to analog video port of TZT3 for initial setup

Tip: By temporarily connecting analog video from the Omnisense camera to the TZT3 MFD you save yourself from needing a laptop for setup. Camera setup can be done with the TZT3 with analog video.

3. Initial Setup

1. Using the 10M Power/Network cable, connect one end to the camera and the RJ45 end to the Camera Port Inside the Junction Box
2. Using the 2M Network cable, connect the waterproof RJ45 to the controller to the other end to the first Controller/MFD Port Junction Box
3. Using the 1.5M Analog Video Cable connect the gold connector to the A/V connector inside the Junction box and connect the BNC end to your BNC Female to RCA adaptor. Then plug the RCA adaptor into Video In 1 port of the TZT3 MFD
4. Using the 1M power cable, connect one end to the boat's 12VDC panel and the other end to the Junction Box to supply 12VDC to the Omnisense system. Use White for + and black for (-)
5. Using the user supplied shielded RJ45 to RJ45, connect one end into the Junction Box to and the other end to an open port on the HUB the TZT3 MFD is connected to

4. Getting Started

Notes:

- **Prior to powering up the Omnisense camera, please ensure it is securely mounted as the camera will move during its boot up sequence.**
- If at any time during the camera setup you are prompted for a Login and Password, <u>Login</u> is **Admin** and the <u>Password</u> is **1 2 3 4 5**

1. Power **ON** the Omnisense Junction Box and TZtouch3 unit and wait for the camera, controller and MFD to initialize.
2. Navigate to [**Home**] > [**Settings**] > [**Camera**] on the TZtouch3 MFD
3. Once inside the Camera menu, scroll down to Analog Camera 1 and select "**ON**" for "**Connected**"
4. You should now see the analog video input of the Omnisense camera on the right side of the TZT3 screen. Tap on the **X** in the upper right-hand corner of the TZT3 screen to exit.
5. Tap [**Home**]
6. Tap the Camera Icon to navigate to the camera page to view the full-screen camera mode.
7. Use the controller and pan around the area to see that the camera is fully functioning prior to proceeding and confirm this by watching the video on the TZT3 screen.

5. Omnisense Camera Setup

1. Press the Menu button [icon] on the Omnisense Controller. The menu will show up on the right side of the TZT3 screen.
2. Using the joystick, scroll down to the Settings Icon [icon] and press Enter [icon] on the controller.

3. Using the joystick, scroll over to Device Access to view the page below. Using the joystick, select Furuno and press the Enter button ⬐ ,then use the joystick to highlight Save and Reboot, then press the Enter button ⬐ .Choose "OK" when prompted to continue. Allow the camera system time to reboot.

Power off your TZT3 and the power it back on again.

You will lose connection with the Omnisense Controller, this will be fixed in the next step.

On the TZtouch3:

4. Navigate to [**Home**] > [**Settings**] > [**Camera**]
5. Scroll down to Analog Video 1 and toggle "Connected" to "OFF"
6. Scroll down to "IP Camera 1" section
7. Tap the Keyboard beside IP Camera 1
8. Type in the following IP address: 172.031.201.200
9. Exit out of the TZtouch3 Menu by tapping the **X** in the upper right corner of the TZT3 screen.
10. You can now disconnect the analog video cable from TZtouch3 Video-In 1

11. From the **Home** screen, tap on the (**+**) box to add a new page.
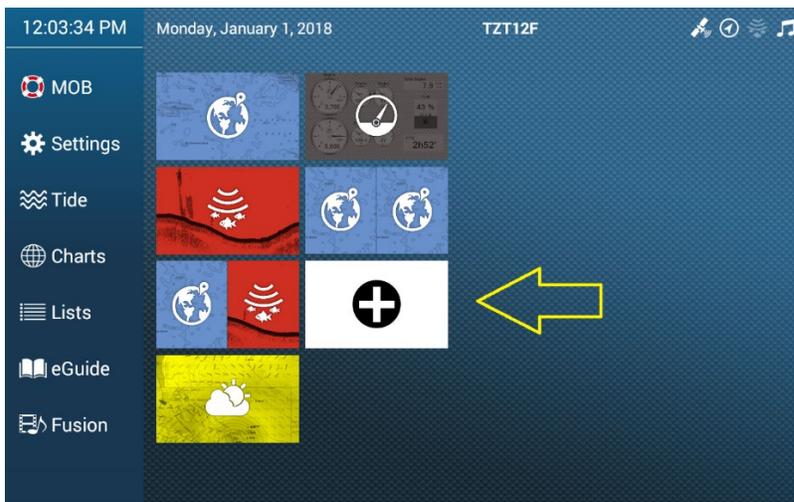
12. Drag Omnisense camera icon over to create a new camera page and tap on Green Check Mark.
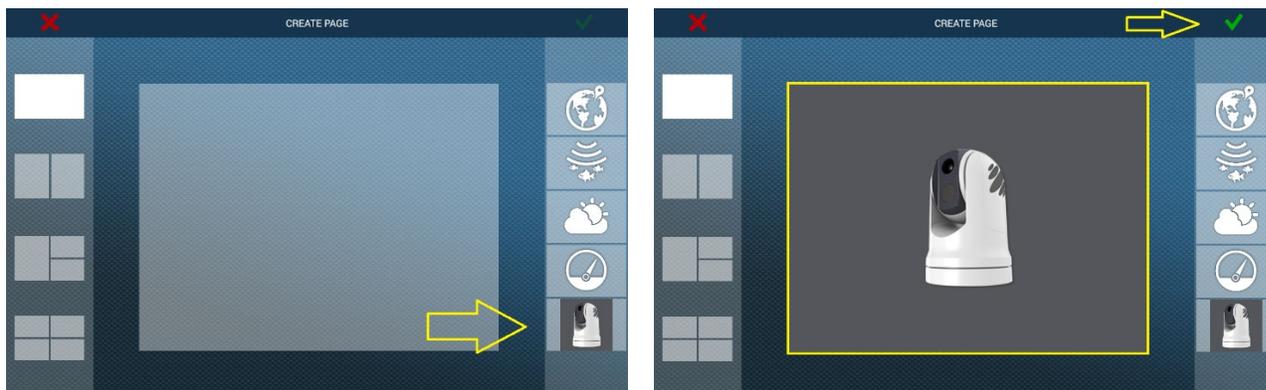
13. TZtouch3 will now open to Omisense camera page you will now have control over the camera.

Note:

Tap screen to get camera

control circle to appear.

6. Setting Up Omnisense Controller

1. Tap on the TZtouch3 screen to bring up Omnisense Menu. Tap on the Menu Icon.

2. Tap on the Settings Icon.
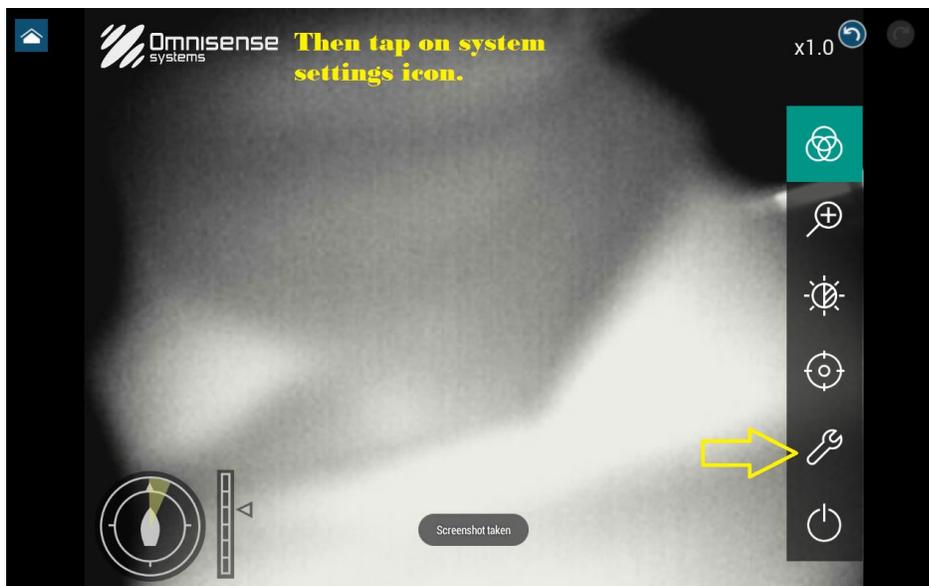
3. Swipe from right to left on the top menu bar until the **Controller** page is selected, then tap on **Scan**.
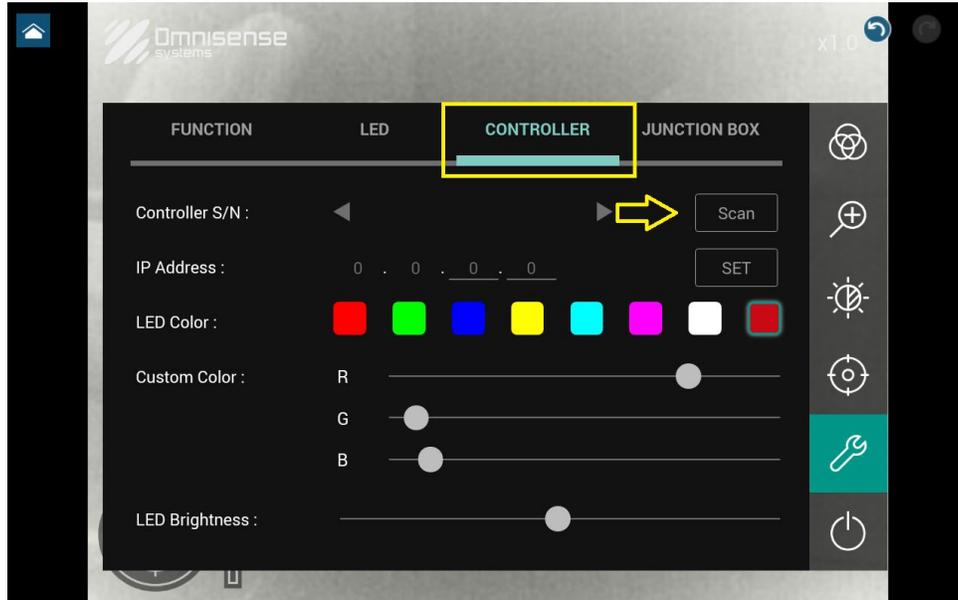
4. Omnisense Controller will appear under Controller S/N box. Tap the (**+**) to add your controller to the network.
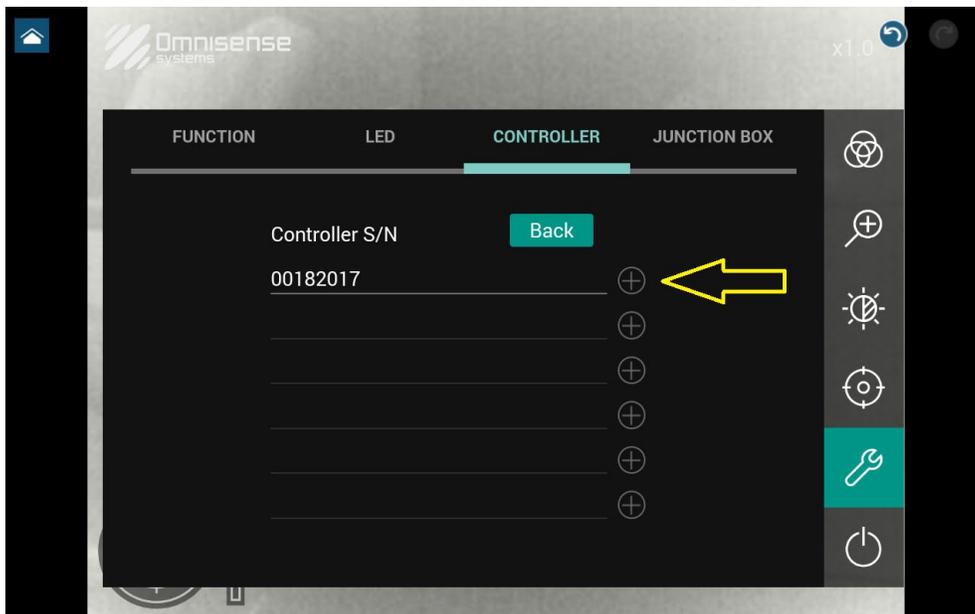
Note: Controller serial number will grey out when + is tapped, as shown below

5. Tap **Back** to return to the previous screen.
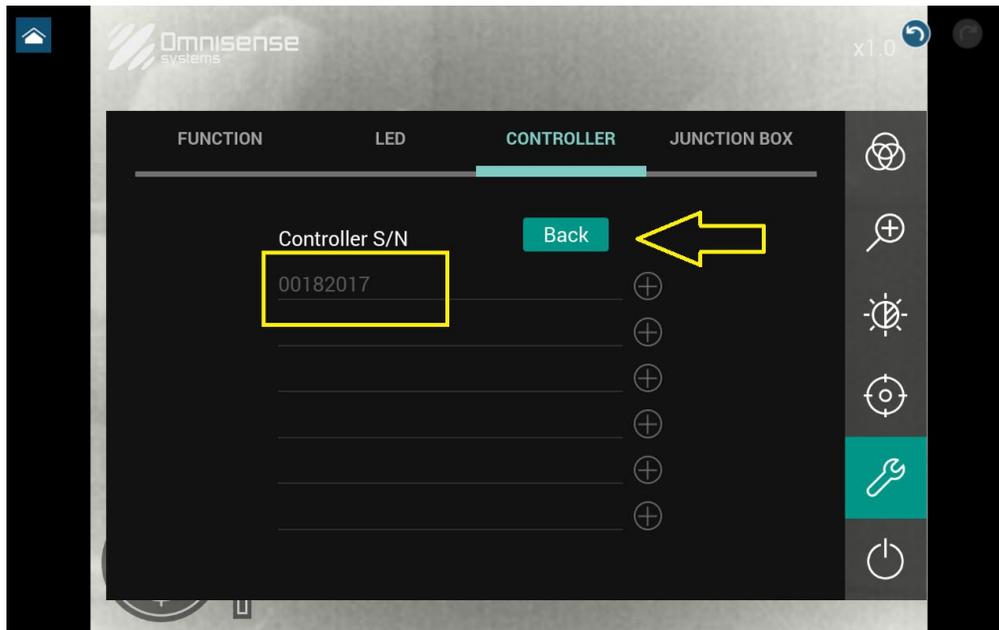
6. Tap **Set** to confirm the new automatically assigned IP address for your controller.
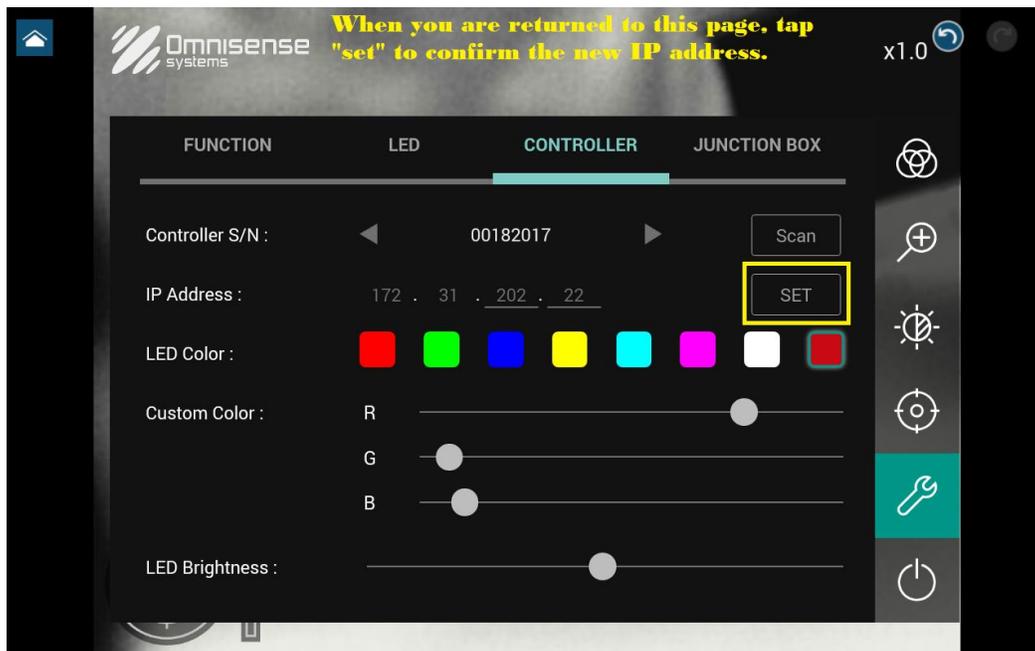
7. Setup is now complete; you may now exit the Omnisense Menu by [icon] tapping the Return Icon.

8. It is **recommended** you cycle power to the Omnisense Camera and TZTouch3 MFD.

7. Final Steps

1. With both devices ON, select the Omnisense camera page.
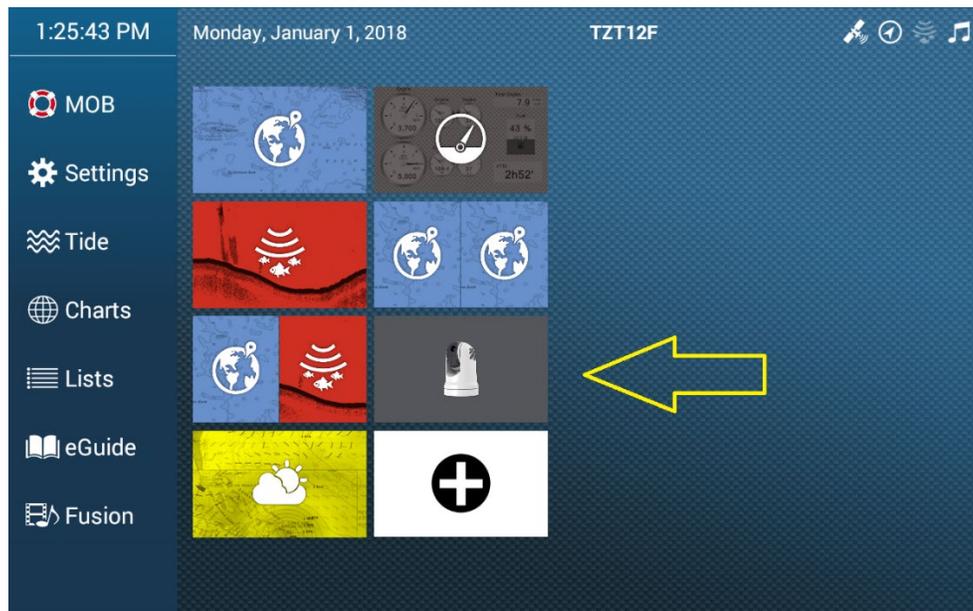
2. Tap the screen to use the functions of the Omnisense camera.
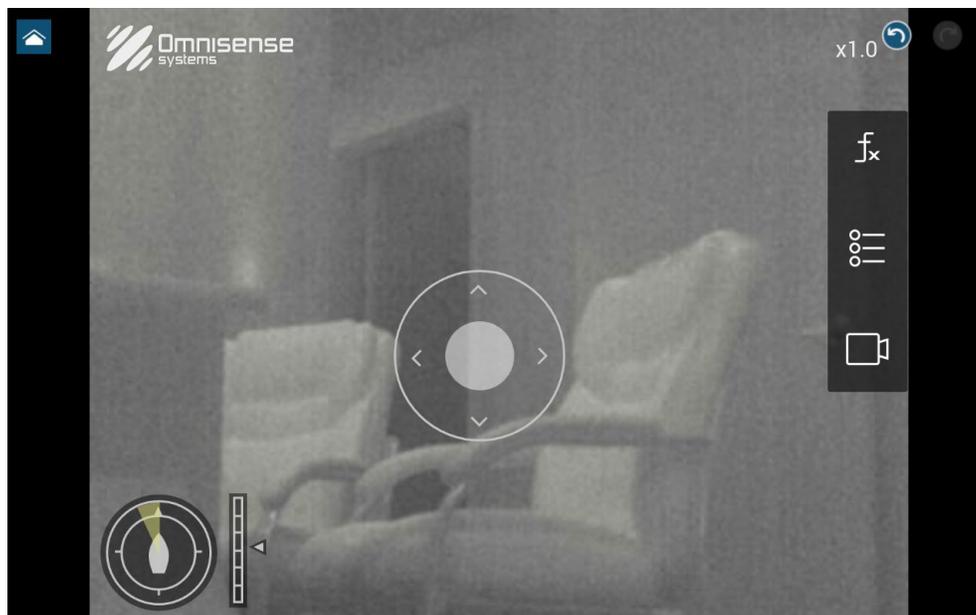
1. Checking the software version on your TZT3 MFD:

   [**Select Menu**]>[**Settings**]>[**Initial Setup**]>[**Quick Test**] to view current program version

<div align="center">**OR**</div>

   To find your TZT3 software version during boot up:

   Press the power button ⏻ on your TZT3. When you see the screen below, look in the lower right-hand corner and record the last four digits of the number shown. This is your current TZT3 software version.