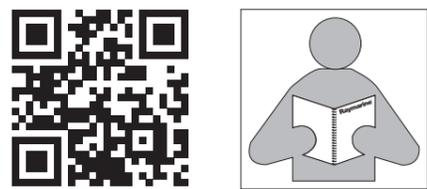
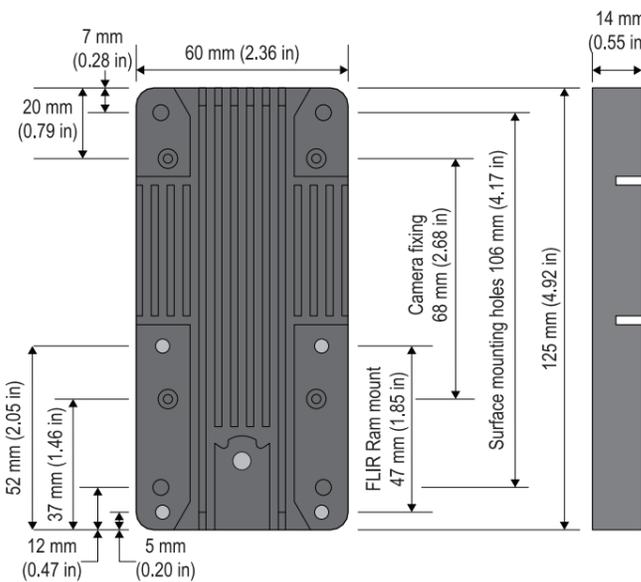
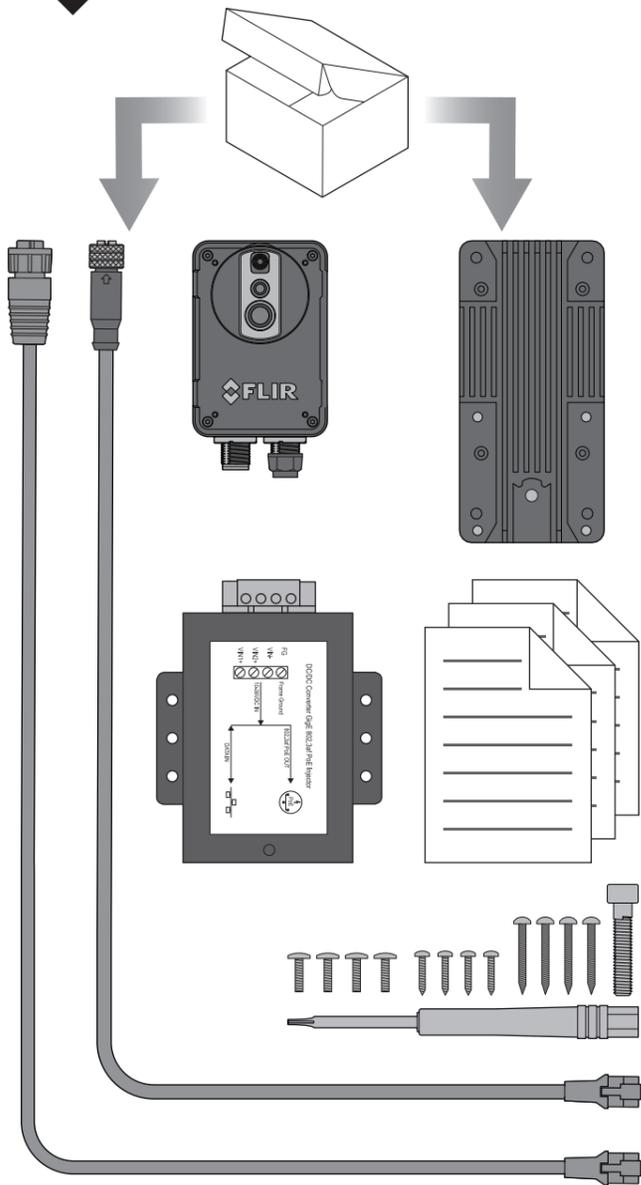


FLIR[®] MTMS (AX8)

Quick Start Guide | Doc. 88050 (Rev 6) Date: 02-2025



Obtain the complete documentation for your product
The supplied printed documentation is a subset of the full documentation available for your product.

Important:
The latest versions of all English and translated handbooks are available on the Raymarine website. Please check the website to ensure you have the latest and complete documentation and safety information for your product.

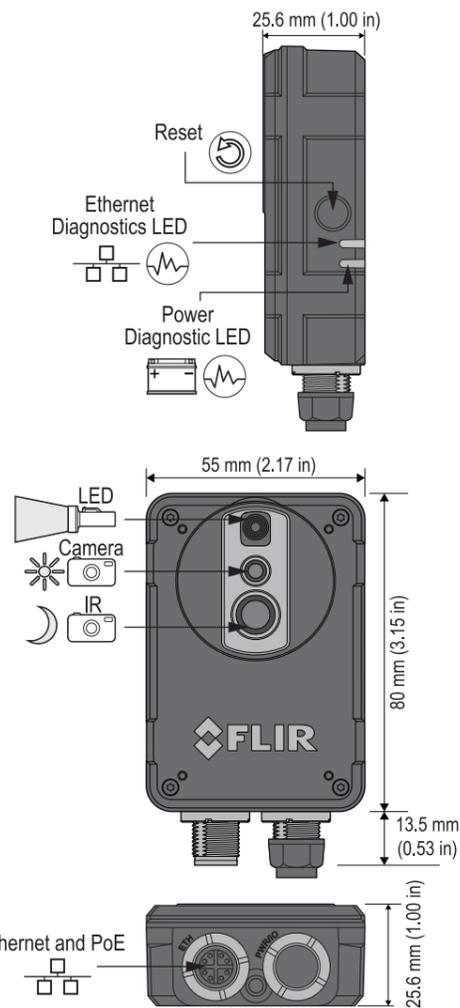
www.bit.ly/AX8-docs



Warranty policy & registration

Visit the FLIR / Raymarine website to read the latest warranty policy, and register your product's warranty online:

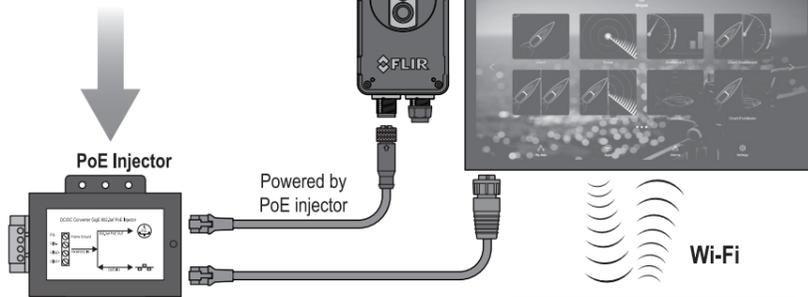
www.bit.ly/rym-warranty



Set-up

The MTMS (AX8)'s built-in web interface **MUST** be used to align the thermal and visible images before using **Thermal MSX[®]** mode and to set up spot alarms. The web interface also provides access to other features and settings not available on your MFD.

1 Connect the MTMS (AX8) to your MFD network and ensure it is powered.



3 Connect your PC or smart device to the MFD network. For information on connecting a PC or smart device to your Raymarine MFD network, refer to the **LightHouse 4 Advanced Operation instructions (81406)**.

5 When using the camera in **Thermal MSX[®]** mode, you can use the "Adjust Distance" slider control in the web interface to adjust the overlay position of the visible Vs. the thermal image.



Refer to the **FLIR AX Series user manual (T559913)**, for full details of the features and settings available from the web interface:
www.bit.ly/AX8-docs

2 Obtain the MTMS (AX8)'s IP address, this can be found by accessing the MTMS (AX8)'s diagnostics page using a Raymarine LightHouse MFD: **Homescreen > Settings > Network > Select Device > Product info > IP address.**



4 Enter the MTMS (AX8)'s IP address in the web browser's address bar on your connected PC or smart device.



- If your product was originally obtained running a software version **earlier than v1.55.16**, login using:
Username: **admin** / Password: **admin**
- If your product was originally obtained running software version **v1.55.16 or later**, login using the details provided on the serial number label supplied in the product box.

FLIR IP Config Tool

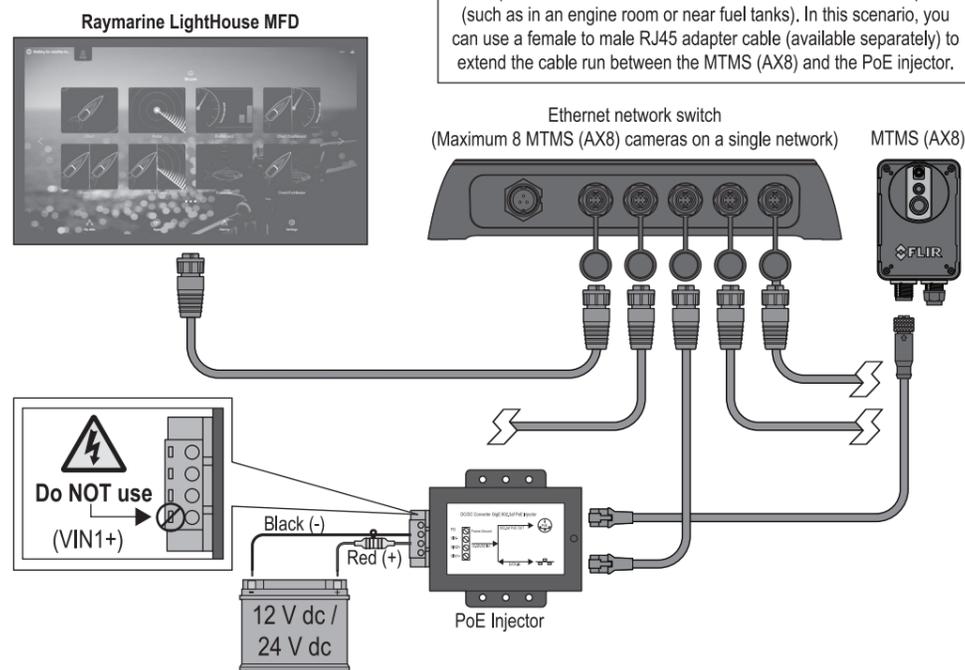
Alternatively you can connect the MTMS (AX8) directly to a PC using an Ethernet (RJ45) cable. To obtain the MTMS (AX8)'s IP address using a PC, download and install the **FLIR IP Config Tool** (version 2.1 or later).
www.bit.ly/AX8-tool

6 Select the Spot alarm icon to add a new spot to the image, drag the spot to the required position and then set the temperature alarm by selecting the bell icon.



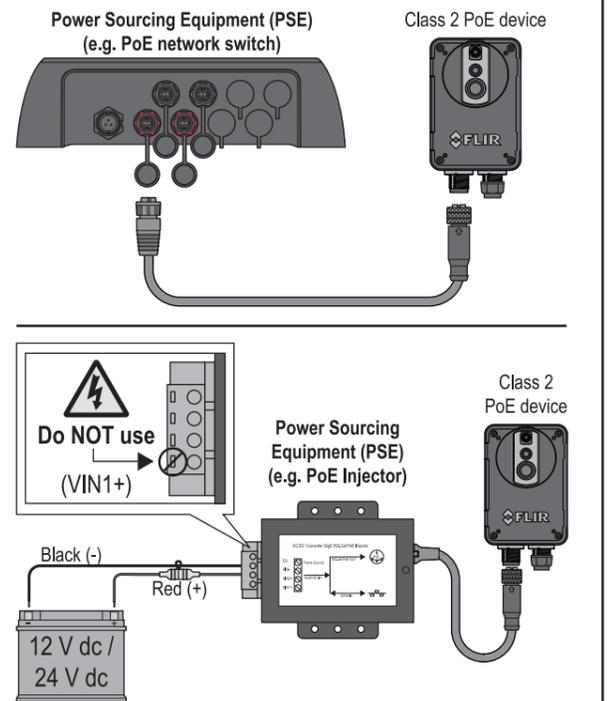
Connections to a Raymarine MFD

The following example shows a typical installation scenario where an MTMS (AX8) is connected to a Raymarine MFD. For more system configuration examples refer to the documentation supplied with your device.



Power connections

The MTMS (AX8) can be powered using the supplied PoE injector. Alternatively, the MTMS (AX8) can be powered using a different Power Sourcing Equipment (PSE) which is capable of providing Power over Ethernet (PoE).



A Optional Bracket Mounting

Raymarine Part number: R70375

Caution: To prevent possible damage to the camera housing, do NOT over-tighten the screws when securing the cooling bracket.

Note: Disregard the bolt supplied with R70375, and use the 1/4" 20 x 30 mm Hex bolt supplied with the MTMS (AX8) camera.

B Optional RAM Mounting

FLIR Part number: 261-2319-00

Caution: To prevent possible damage to the camera housing, do NOT over-tighten the screws when securing the cooling bracket.

Note: Disregard the bolts supplied with 261-2288-00 and use the 10-32UNF 1/2" hex bolts supplied with the MTMS (AX8) camera.

Mounting options

All mounting options require the supplied cooling bracket to be fitted to the MTMS (AX8) before installation.

A) Bracket mounting (using optional Raymarine accessory R70375) ;
 B) RAM mounting (using optional FLIR accessory 261-2319-00) ;
 C) Surface mounting.

Important: Before mounting the camera, check the desired location, ensuring that the area or objects to be monitored are within the camera's field of view and that any spot alarms are correctly placed.

Consider using the FLIR ONE to survey the best location for your MTMS (AX8) prior to installation:

www.flir.com/flir-one

C Surface Mounting

Caution: To prevent possible damage to the camera housing, do NOT over-tighten the screws when securing the cooling bracket.

Operations / Monitoring

Important: For details on operating your MTMS (AX8) using your Raymarine MFD / chartplotter, refer to the relevant Operations manual:

- LightHouse 4 Advanced Operation Instructions (81406)
- LightHouse 3 MFD Operation Instructions (81370)
- LightHouse 2 MFD operation instructions (81360)

To download the document, visit: www.bit.ly/rym-docs

Alarms
 Enable MTMS (AX8) spot alarms on your Raymarine MFD. (Spot alarms MUST be set-up using the MTMS (AX8)'s web interface.)

Software requirements:
 Your Raymarine MFD / chartplotter must be running LightHouse 2 v15.xx or later, LightHouse 3 v3.4 or later, or LightHouse 4 v4.0.70 or later.

www.bit.ly/rym-software

Monitor feeds and spot readings using the Video application:

LED light

Switch the camera's LED light on or off directly from your Raymarine MFD's Video application: **Homescreen > Video app > Video settings > Image tab > Light**

Selecting the image mode

Switch image mode directly from your Raymarine MFD Video application's Active Feed menu:

Spares

The following spares are available for your product:

A80811	FLIR PoE Injector	R70491	Cooling Bracket
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Accessories

The following accessories are available for your product:

261-2319-00	FLIR RAM mount bracket	R70375	Raymarine mounting bracket	A80352	M12 x-coded to RJ45 adapter cable (5 m)
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