MRX.SwitchBox

Remote distribution box for MRX.marine

AZG Tech

Quick Start Guide

System Overview

The MRX.marine system is a modular solution for use in port and offshore environments. It consists of:

* One or more camera modules,

* one or two touch monitors,

* one or more distribution boxes, which carry all the electronics and offer connection to clients.
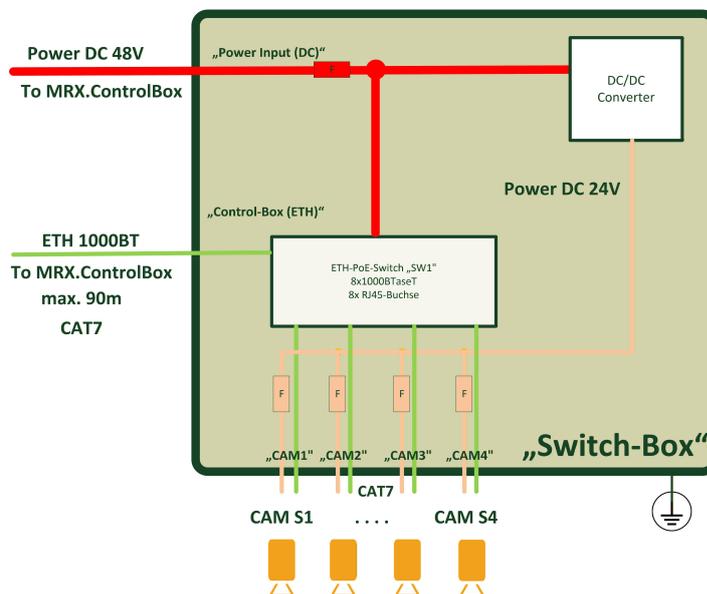
The present MRX.SwitchBox is the remote unit of MRX.marine system. It contains a powerful Ethernet PoE switch for up to 4 cameras. In case the cameras cannot be powered via PoE, for each camera there is a power lane (24VDC) to support power in extra cable.

MRX.switchBox is powered by MRX.ControlBox (48VDC). A dedicated CAT7 cable is used to get access to cameras and video streams.

Scope of delivery

* 1x MRX.SwitchBox,

* 1x installation set "Ethernet" (content: 4x RJ45 to be mounted on CAT7),

* 1x this QSG.

System Overview

All connections to MRX.SwitchBox must be made in accordance with the cable diagram.

Installation

MRX.SwitchBox can be mounted on a wall or floor using the external mounting brackets.

Connections

MRX.SwitchBox has a series of cable glands that are used to feed the connection cables to external components. Suggestions for using the cable glands are engraved on the cover, but their use is not specified.

Power IN (DC)	MRXSwitchBox requires a 48VDC connection. This power supply must be connected to power output of MRX.ControlBox.
CAM1-CAM4 ETH	Cable gland for the 4 ETH cable to junction box of up to 4 cameras.
CAM1-CAM4 PWR	Cable gland for PWR cable to max 4x MRX.JunctionBox.
ControlBox ETH	Cable gland for ETH cable to MRX.ControlBox.
RES1	*Reserve cable gland, unused*.

LED

• Power: Internal power supply (24VDC) is operational.

Lock

Four screws fix the lit.

Fuses (internal)

* Power IN:	1x 10A
* 24VDC Power CAM1-4:	4x 10A

Mounting RJ45 plug (and socket) to CAT7

The delivered field wireable connectors, which are part of the installation set "Ethernet", enables fast, cost-effective and reliable cabling thanks to modular separation of cable and connector:

1. crimp the termination block onto the CAT7, as shown in the enclosed instructions. This can be done inside or out side the ControlBox.

2. place the plug (or socket) on the terminal block. This must be done inside the ControlBox, otherwise the cable plus plug does not fit to the cable glance.

The following link gives you more information about installation:

   youtube.com/watch?v=IEL7KiivLR4