MRX.ptzController

AZG Tech

Control unit for operating PTZ cameras and user menu for MRX.marine

Quick Start Guide

System Overview

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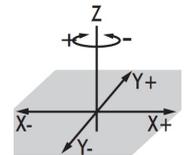It consists of:

* One or more camera modules (some with PTZ functionality: pan, tilt, zoom).

* MRX.ptzController: A control unit for remote control of the cameras.

* Touch monitor interface for system configuration and control.

The PTZ capabilities of the cameras are visualised by icons.

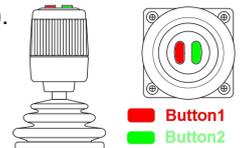### Hardware description MRX.ptzController

Joystick

Movement axes:	* X-axis: Left/right (pan).
	* Y-axis: Forward/backward (tilt).
	* Z-axis (rotation): Zoom control.

Automatic reset: The joystick returns to the neutral centre position when released.

Push buttons

* Button 1:	Context-dependent function (e.g. camera selection, full-screen mode).
* Button 2:	Switch between camera display and user menu.

Operationg modes

Camera display mode

* Primary function:	Display, selection and control of cameras.
* Control options:	
- Joystick movement (X/Y axis):	Pan/tilt of the selected camera (if supported).
- Joystick rotation (Z axis):	Zoom control (if supported).
- Button 1 + joystick (left/right):	Cyclical selection of cameras on the active screen.
- Button 1 + joystick (forward/backward):	Change the active screen (in multi-monitor operation)..
- Double-click Button 1:	Switch between full-screen mode (single camera) and multi-camera view.

User menü mode

* Primary function:	Display and configuration of camera settings.
* Control options:	
- Button 1 + joystick (left/right):	Cyclical selection of cameras.
- Button 1 + joystick (forward/backward):	Change the active screen.
- Joystick (forward/backward):	Select the parameter to be changed.
- Joystick (left/right):	Increase/decrease the parameter value.
- Automatic value acceptance:	Changes are saved when:
	a. A new parameter is selected,
	b. The camera is changed,
	c. The user menu is exited.

Mode changel

Standard mode: When the system starts up, MRX.marine is in camera display mode.

Mode switch: Pressing button 2 switches between camera display and user menu.

Technical information

PTZ support: Depends on the camera model (visualised by icons.

Zoom function: Only active on cameras with zoom support.

Rotation (Z-axis):   No function in the user menu.

Note: Operation is carried out either via the MRX.ptzController or the touch monitors.

Overview

Button	Move		Context	
			Camera Display	User Menue
	Zoom	Zoom Out	Zoom / Zoom Out	--- / ---
	Left	Right	Move CAM Left / Right	selected value decrease / increase
	Down	Up	Move CAM Down / Up	Select previous / next value
Button1 +			--- / ---	--- / ---
Button1 +			Select previous / next CAM	Select previous / next CAM
Button1 +			Select previous / next monitor	Select previous / next monitor
Button2	---	---	Open user menue	Close user menue