

Instructions Manual for
Optilia W10x and W10x-HD Camera Control Unit
Product No. OP-009 020



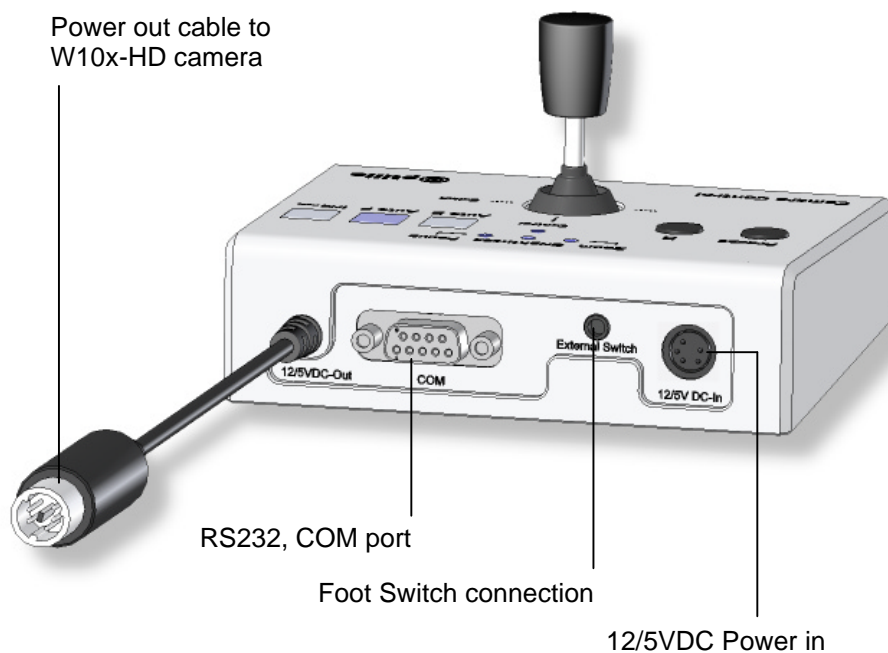
This manual describes how to use Camera Control Unit together with W10x or W10x-HD cameras

1. Introduction

Camera Control Unit is a user friendly and ergonomically designed device for direct control of Optilia standard- and High Definition inspection cameras without use of PC.

Camera parameters and functions like Zoom, Brightness, Focus and Iris are directly selected and controlled by a Joystick and functions buttons. In addition, the operator can Freeze the live image or Save and Recall any configuration by pressing one button.

Camera Control Unit communicates with W10x and W10x-HD cameras via serial RS232 communication protocol.



2. Connections Power-On Sequence

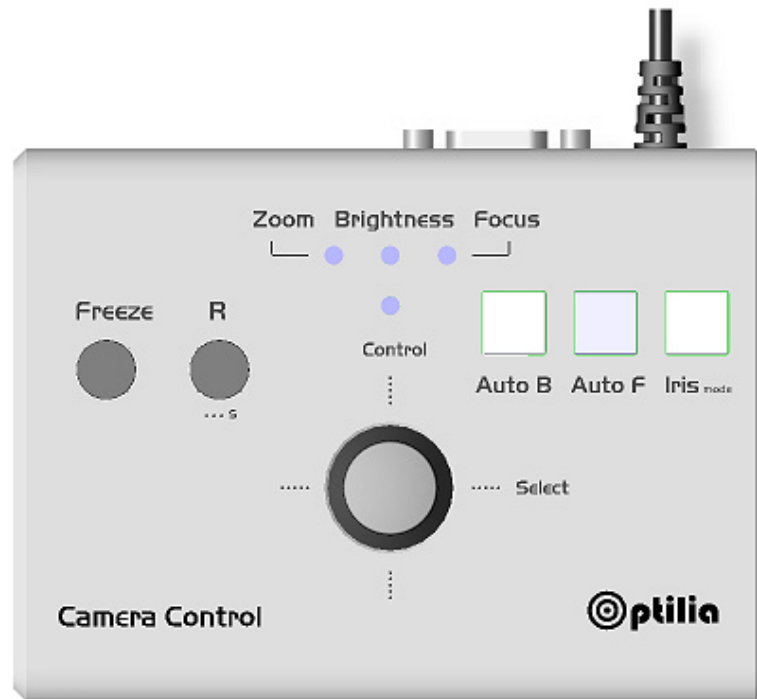
- Switch Off the W10x/W10x-HD camera
- Connect W10x-HD's RS-232 Connector to Control Box "Com" Port
- Connect the Foot Switch to external foot switch input of the Control Box (Optional)
- Connect Control Box "Power Out" cable to W10x/W10x-HD mini-Din power connector
- Connect the power adapter to Control Box Power in.
- Switch On the W10x/W10x-HD

After switching on the W10x/W10x-HD or W10x-HD, Control Box will turn on automatically and load the last saved configuration.

3. Power-Off Sequence

Power-off is managed automatically in the Control unit. If W10x-HD is switched off while it is connected to Control Box or any cable is disconnected from the Control Box, the Control Box will turn-off itself. All LED indicators flash a few times before automatic turn-off.

4. Controls and Functions



Joystick Left/Right: Switches between Zoom, Brightness and Focus functions.

Joystick Up/Down: Increase/Decrease value of the selected function.

Auto B: Switches between Auto Brightness and Manual Brightness modes.

When Auto B is activated, the camera is in the Auto Brightness mode. Users can adjust the exposure level by selecting Brightness function.

When Auto B is deactivated, the camera is in Manual Brightness. Brightness can be adjusted by selecting Brightness function.

Auto F: Switches between Auto Focus and Manual Focus Mode.

When Auto F is activated, the camera is in the Auto Focus mode. Focus function cannot be selected when the camera is in Auto Focus mode.

Deactivate Auto-F to able to select the Focus function.

Iris Mode: When Iris Mode is activated, camera will have fixed gain and fixed shutter speed, allowing user to control mechanical iris of the camera. Size of the iris can be adjusted by selecting Brightness function. Iris Mode allows the user to increase/decrease the field of depth of the image. Deactivating Iris Mode will set the camera in previous Brightness setup (Auto or Manual).

Iris mode requires good illumination.

Freeze: Freeze the Image. Pressing any button or joystick will unfreeze the image.

Save/Recall: To recall a saved preset just press the Save/Recall button.

To save a configuration hold the Save/Recall button pressed until green led flashes.

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