

MediaWorkStation

Technical Information

TI-005-023

Title:

Usage of CANON cameras

Question:

Problem Which camera models can be used and what to notice
Category Camera
Product MediaWorkStation Classic / Basic
Version Classic 2.8 / Basic 2.9 (ab Ausgabe 1-2020)
Module CANON Option
Date 2022-08-16

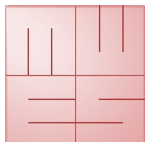
Answer:

MediaWorkStation provides optional support for CANON EOS SLR and EOS M cameras. The camera has to be connected to the computer and license option „CANON“ must be active. Live view is provided with a reduced resolution for video recordings and photographs up to the maximum resolution of the camera.

1 Which CANON camera models are supported by the MWS?

For the following cameras compatibility has been practically aproofed:

Model	Resolution video	Max. resolution still	Remarks
EOS 550D / EOS Kiss X4 / EOS REBEL T2i	1056x704 / 15 fps	5184 x 3456	
EOS 700D / EOS Kiss X7i / EOS REBEL T5i	960x640 / 15 fps	5184 x 3456	
EOS 1200D / EOS KissX70 / EOS REBEL T5	1056x704 / 15 fps	5184 x 3456	only AWB, no manual color adjustment possible
EOS 2000D / EOS KISS X90 / EOS REBEL T7	1056x704 / 15 fps	6000 x 4000	only AWB, no manual color adjustment possible
EOS M 200	960x640 / 15 fps	6000 x 4000	For operation without CANON lens the following setting needs to be enabled: Function settings -> Custom Functions (C.Fn) -> C.Fn II Others -> Release shutter without lens-> Enable



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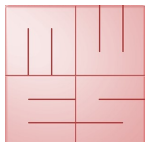
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For the following cameras, compatibility is assumed on the basis of technical data or positive customer feedback:

Model	Resolution video	Max. resolution still image	Remarks
EOS 7D Mark II		5472 x 3648	*1
EOS 77D	960x640 / 15 fps	6000 x 4000	
EOS 80D	960x640 / 15 fps	6000 x 4000	
EOS 90D		6960 x 4640	*1
EOS 250D		6000 x 4000	*1
EOS 200D		6000 x 4000	*1
EOS 600D / EOS Kiss X5 / EOS REBEL T3i	1056x704 / 15 fps	5184 x 3456	
EOS 650D / EOS Kiss X6i / EOS REBEL T4i	960x640 / 15 fps	5184 x 3456	
EOS 750D		6000 x 4000	*1
EOS 760D		6000 x 4000	*1
EOS 800D		6000 x 4000	*1
EOS 1300D / EOS Rebel T6 / EOS Kiss X80	1056x704 / 15 fps	5184 x 3456	
EOS 4000D		5184 x 3456	*1, *2
EOS M6 Mark II		6960 x 4640	*1
EOS M50		6000 x 4000	*1

*1: compatible as per specification, untested

*2: cannot be used with external power supply



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2 Which preparations are necessary for operate the camera?

Connect the camera to the PC with the supplied USB cable. Select "Auto Power Off" = "Disable" in the camera settings menu. Turn the cameras mode dial to <P> (Program Auto). For EOS M camera series set the record mode switch to position „Still Photo Mode“ and the option „Release shutter without lens“ to „Enable“. If mode switch is in position "Still Photo Mode" you find this setting in "Settings / C.Fn II Others".

3 How to activate license option „CANON“?

Start MWS and click [About] -> [Details]. License dialog appears. In section „Product options“ click [Edit] and mark option „CANON“.

Contact your distributor with the ident key shown in the license dialog.

4 Is a memory card necessary?

No, recorded pictures are directly transmitted to the PC.

5 Can the camera switched off or on while it is used with the MWS?

Yes, the camera will be recognized automatically by the program.

6 How long is the shutter release delay for still images?

On pressing the footswitch or the snapshot button in MWS the image acquisition starts after 0.7 seconds. The captured image can differ from the freezed live image since the image acquisition and live view work independently.

7 Is it possible to trigger still photographs directly at the camera?

Yes, press camera button next to the viewfinder or you activate „CANON TFT enable“ in the MWS settings (START -> [System] -> [Settings] -> [Environment]).

8 Is RAW format (CR2 / CR3) supported?

No, currently are still recordings only possible in JPEG format. When required the recording quality can be adjusted (size/compression) in the MWS settings dialog.

9 How to adjust white balance?

In the MWS camera dialog can be choosen between AWB („White Start“) and ColorTemperature („White Stop“). In mode ColorTemperature the red rocker sets directly the Kelvin value. The "3s White" button switches to AWB mode.

10 How to optimize battey time?

If the MWS settings parameter „Energy Saving“ is active, the streaming connection to the camera is only maintained in the recorder. This leads to a reduced energy consumption. Alternatively CANON provides power adaptor for long term use.