### Canon EOS 5D Mark II Specifications

**Type**  
Digital, single-lens reflex, AF/AE camera

**Recording Media**  
CF Card Type I and II, UDMA-compliant CF cards, via external media (USBv.2.0 hard drive, via optional Wireless File Transmitter WFT-E4A)

**Image Format**  
36.0mm x 24.0mm (35mm Full-frame)

**Compatible Lenses**  
Canon EF lenses

**Lens Mount**  
Canon EF mount

### Image Sensor

**Type**  
High-sensitivity, high-resolution, large single-plate CMOS sensor

**Pixels**  
Effective pixels: Approx. 21.1 megapixels

**Total Pixels**  
Total pixels: Approx. 22.0 megapixels

**Aspect Ratio**  
3:2 (Horizontal: Vertical)

**Color Filter System**  
RGB primary color filters

**Low Pass Filter**  
Fixed position in front of the CMOS sensor

**Dust Deletion Feature**  
(1) Automatic sensor cleaning  
(2) Manual cleaning of sensor  
(3) Dust Delete Data appended to the captured image

### Recording System

**Recording Format**  
Design rule for Camera File System 2.0

**Image Format**  
Still: JPEG, RAW (14-bit, Canon original), sRAW1, sRAW2, RAW+JPEG  
Video: MOV

**File Size**  
(1) Large/Fine: Approx. 6.1MB (5616 x 3744 pixels)  
(2) Large/Normal: Approx. 3.0MB (5616 x 3744 pixels)  
(3) Medium/Fine: Approx. 3.6MB (4080 x 2720 pixels)  
(4) Medium/Normal: Approx. 1.9MB (4080 x 2720 pixels)
(5) Small/Fine: Approx. 2.1MB (2784 x 1856 pixels)
(6) Small/Normal: Approx. 1.0MB (2784 x 1856 pixels)
(7) RAW: Approx. 25.8MB (5616 x 3744 pixels)
(8) sRAW 1: Approx. 14.8MB (3861 x 2574 pixels)
(9) sRAW 2: Approx. 10.8MB (2784 x 1856 pixels)

Exact file sizes depend on the subject, ISO speed, Picture Style, etc.

**Recording Functions**

With the WFT-E4A attached, image recording to the CF card and to the USB external media connected to the WFT-E4A will be possible as follows:

1. Standard
2. Automatic switching of recording media
3. Separate recordings according to image-recording quality
4. Recording images having the same size

**Backup Recording**

Enabled with WFT-E4A attached

**File Numbering**

Consecutive numbering, auto reset, manual reset.

Possible to create new folders and select folders in the CF card

**RAW + JPEG Simultaneous Recording**

Provided (RAW/sRAW+JPEG also possible)

**Color Space**

sRGB, Adobe RGB

**Picture Style**

Standard, Portrait, Landscape, Neutral, Faithful, Monochrome, User Def. 1-3

**White Balance**

**Settings**

Auto, Daylight, Shade, Cloudy, Tungsten Light, White Fluorescent Light, Flash, Custom, Color Temperature setting

**Auto White Balance**

Auto white balance with the image sensor

**Color Temperature Compensation**

White balance correction: ±9 stops in full-stop increments
White balance bracketing: ±3 stops in full-stop increments
Blue/amber direction or magenta/green direction possible

**Color Temperature Information Transmission**

Provided

**Viewfinder**

**Type**

Eye-level pentaprism

**Coverage**

Vertical/Horizontal approx. 98%
Magnification
Approx. 0.71x (-1m⁻¹ with 50mm lens at infinity)

Eye Point
Approx. 21mm (from eyepiece lens center)

Dioptic Adjustment Correction
-3.0 to +1.0m⁻¹ (diopter)

Focusing Screen
Interchangeable (Eg-D: Grid lines, Eg-S [point of Focus], Eg-A standard focusing screen provided)

Mirror
Quick-return half mirror (transmission: reflection ratio of 40:60, no mirror cutoff with EF600mm f/4L IS USM or shorter lenses)

Viewfinder Information
AF information (AF points, focus confirmation light), Exposure information (shutter speed, aperture, ISO speed, AE lock, exposure level, spot metering circle), Flash information (flash ready, flash exposure compensation, High-speed sync, FE lock), Image information (Highlight tone priority, monochrome shooting, maximum burst, white balance correction, CF card information), battery information

Depth Of Field Preview
Enabled with depth-of-field preview button

Autofocus

Type
TTL-CT-SIR AF-dedicated CMOS sensor

AF Points
9 AF Points (1 Cross Type) + 6 AF Assist Points

AF Working Range
EV -0.5-18 (at 73°F/23°C, ISO 100)

Focusing Modes
Auto, One-Shot AF, Predictive AI Servo AF, AI Focus AF, Manual focusing (MF)

AF Point Selection
Automatic selection, manual selection

Selected AF Point Display
Superimposed in viewfinder and indicated on LCD panel

AF Assist Beam
When an external EOS-dedicated Speedlite is attached to the camera, the AF-assist beam from the Speedlite will be emitted when necessary.

Exposure Control

Metering Modes
35-zone TTL full-aperture metering

- Evaluative metering (linkable to any AF point)
- Partial metering (approx. 8% of viewfinder at center)
- Spot metering (approx. 3.5% of viewfinder at center)
- Center-weighted average metering

Metering Range
EV 1-20 (at 73°F/23°C with EF50mm f/1.4 USM lens, ISO 100)

ISO Speed Range
ISO 100-6400 (in 1/3-stop or 1-stop increments)

ISO 100-3200 set automatically
Extension settable (with C.Fn.I-3-1): ISO 50 (L), 12800 (H1), 25600 (H2)

High Tone Priority settable: ISO 200-6400

**Exposure Compensation**
Manual: ±2 stops in 1/3- or 1/2-stop increments (can be combined with AEB)

**AE Lock**
Auto: Applied in One-Shot AF mode with evaluative metering when focus is achieved
Manual: By AE lock button

**Shutter**
Vertical-travel, mechanical, Electronically-controlled, focal-plane shutter 1/8000 to 1/60 sec., X-sync at 1/200 sec.

1/8000 to 30 sec., bulb (Total shutter speed range. Available range varies by shooting mode) Soft-touch electromagnetic release 10-sec. or 2-sec. delay Remote control with N3-type terminal. (Wireless remote controller RC-1/RC-5 can also be used.)

**Type**
Vertical-travel, mechanical, Electronically-controlled, focal-plane shutter

**Shutter Speeds**
1/8000 to 1/60 sec., X-sync at 1/200 sec.

1/8000 to 30 sec., bulb (Total shutter speed range. Available range varies by shooting mode)

**Shutter Release**
Soft-touch electromagnetic release

**Self Timer**
10-sec. or 2-sec. delay

**Remote Control**
Remote control with N3-type terminal. (Wireless remote controller RC-1/RC-5 can also be used.)

**External Speedlite**

**Zooming to Match Focal Length**
Provided

**Flash Metering**
E-TTL II autoflash

**Flash Exposure Compensation**
±2 stops in 1/3- or 1/2-stop increments

**FE Lock**
Provided

**External Flash Settings**
Flash function settings, Flash C.Fn settings

**Drive System**

**Drive Modes**
Single, Continuous, and Self-timer (10-sec. or 2-sec. delay)

**Continuous Shooting Speed**
Max. 3.9 shots/sec.

**Maximum Burst**
JPEG (Large/Fine): approx. 78 (CF)/approx. 310 (UDMA CF)

RAW: approx. 13/approx. 14 (UDMA CF)
Based on Canon's testing standards with a 2GB CF card, continuous shooting, ISO 100 and Standard Picture Style. Varies depending on the subject, CF card brand, image-recording quality, ISO speed, drive mode, Picture Style, etc.

**Live View Functions**

**Shooting Modes**
Still photo shooting and video shooting

**Focusing**
Quick mode (Phase-difference detection)

Live mode/Face Detection Live mode (Contrast detection)

Manual focusing (5x/10x magnification possible)

**Metering Modes**
Evaluative metering with the image sensor (still photos)

Center-weighted average metering (video)

**Metering Range**
EV 0-20 (at 73°F/23°C with EF 50mm f/1.4 USM lens, ISO 100)

**Grid Display**
Provided (Two-type grid displays)

**Exposure Simulation**
Provided

**Silent Shooting**
Provided (Mode 1 and 2)

**LCD Monitor**

**Type**
TFT color, liquid-crystal monitor

**Monitor Size**
3.0 in.

**Pixels**
Approx. 920,000 (VGA)

**Coverage**
Approx. 100% (viewing angle: approx. 170°)

**Brightness Control**
Auto, 7 levels provided

**Interface Languages**
25 (English, German, French, Dutch, Danish, Portuguese, Finnish, Italian, Norwegian, Swedish, Spanish, Greek, Russian, Polish, Czech, Hungarian, Romanian, Ukraine, Turkish, Arabic, Thai, Simplified/Traditional Chinese, Korean, Japanese)

**Playback**

**Display Format**
Single image, Single image + Image-recording quality/shooting information, histogram, 4- or 9-image index, magnified view (approx. 1.5x-10x), rotated image (auto/manual), image jump (by 10/100 images, index screen, by shooting date, by folder), slide show (all images/selected by date/folder)
Highlight Alert
Provided (Overexposed highlights blink)

Image Protection and Erase

Protection
Single images can be erase-protected or not

Erase
Single image, check-marked images or all images in the CF card can be erased (except protected images)

Direct Printing

Compatible Printers
PictBridge-compatible printers

Printable Images
JPEG images compliant to Design rule for Camera File System (DPOF printing possible) and RAW/sRAW images captured with the EOS 5D Mark II

Easy Print feature
Provided

DPOF: Digital Print Order Format

DPOF
Version 1.1 compatible

Direct Image Transfer

Compatible Images
JPEG and RAW images

Only JPEG images can be transferred as wallpaper on the personal computer screen

Customization

Custom Functions
Total 25

Camera User Settings
Register under Mode Dial's C1, C2 and C3 positions

My Menu Registration
Provided

Power Source

Battery
One Battery Pack LP-E6

AC power can be supplied via AC Adapter Kit ACK-E6 with Battery Grip BG-E6 attached.

Battery Check
Auto

Power Saving
Provided. Power turns off after 1, 2, 4, 8, 15 or 30 min.
Date/Time Battery
One CR1616 lithium-ion battery

Start-up Time
Approx. 0.1 sec.

Dimensions and Weight

Dimensions (W x H x D)
Approx. 6.0 x 4.5 x 3.0 in./152.0 x 113.5 x 75.0mm

Weight
Approx. 28.6 oz./810g (body only)

Operating Environment

Working Temperature Range
32-104°F/0-40°C

Working Humidity Range
85% or less