



CAMERA SOLUTIONS CS 507

CUSTOM MADE FOR THE NEW CANON EOS 5D MARK 2 / EOS 7D



Still pictures: 21,1 megapixels resolution still pictures are captured on full format 24 x 36 mm "Exmor R" CMOS sensor

Full high definition video: Video recording in full high definition 1920 x 1080 simultaneously in dual video recording mode at 30 Mbit / sec

Wide angle dome: The optical dome allows full operation of wide angle lenses incl Canon 14 mm / 2,8 (114° angle)

High ISO: the EOS 5D Mark II offers ISO speeds of up to 6400. For dark scenes where using flash is undesirable, this can be expanded to an incredible ISO 25600

Recording: The images can be stored in the cameras 32 GB compact flash card or on a computer at surface

Connectors: A Subconn 8-pin Ethernet 2 GHz connector provides the ROV with USB 2.0, composite video and DC power

Strobes: A second Subconn connector can be mounted to sync any strobe

Power system: The camera is powered from the ROV: 12 / 24 V DC current

Maximum depth: The aluminum housing 1000 msw. Optical dome to 300 msw. 1000 msw dome is optional



Dedicated software: The Canon Utility software is used to remote control the camera. Recording video and still photo, exposure, focus and white balance are controlled via a live view image in the software. All recorded images can be downloaded from the camera to a harddrive at surface at any time. For operation of the ROV or recording the image in standard definition, a PAL or NTSC signal is simultaneously provided to surface

CAMERA SOLUTIONS
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CAMERA SOLUTIONS CS 507 TECHNICAL SPECIFICATIONS

Housing:

Machined anodized aluminum
Acrylic dome (mineral glass optional)
Subconn 8-pin circular Ethernet connector
Thread for second connector for flash sync
Internal fuse and short circuit protection
Housing rated to 1000 msw / Dome rated to 300 msw (1000 msw acrylic dome optional)
Rods for 25 mm mounts
Dimensions: Diam 220mm, length: 270 mm.
Weigth: 7.2 kgs total (slightly negative in sw)

Software:

Canon Utility via USB 2.0
Compability for PC or Mac OS 10.4 - 10.5
Live image with full exposure control
Expanded focus assist
Video and still image recording (dual recording mode possible)
Focus
Exposure
White balance
Download images from Compact flash card

Canon Eos 5D Mark 2

Image sensor 24 x 36 mm CMOS
Effective pixels: 21,1 megapixels
Image size: 5616x3744 pixels
File type: Jpeg or RAW or both
Focus: Manual or 9-point autofocus
Focus assist by 10x magnification
Sensitivity: ISO 100 - 6400
Shutter speeds: 30 sec - 1/8000 sec
White balance: 10 sets, incl auto and custom
Continous shooting: maximum 1 fps
Flash sync: at 1/200 sec
Exposure: Manual or auto
Video recording: MOV H.264
Frame rate: 30 fps

continue:

Video length: max 30 min / 4 GB
Operative systems: XP / Vista + OS 10.4 - 10.5
Operating enviroment: 0 - 40 C, 85 % humidity
Lens mount: Canon EF
Recommended lenses: Fixed focal lenses from 14 mm up to 50 mm
Other lenses: May require close-up diopters and must not be longer than 120 mm
Interface: USB 2.0
Media: Compact flash Type I / II

Canon Eos 7D

Image sensor 22,3 x 14,9 mm CMOS
Effective pixels: 18 megapixels
Image size: 5184x3456 pixels
File type: Jpeg or RAW or both
Focus: Manual or 19-point autofocus
Focus assist by 10x magnification
Sensitivity: ISO 100 - 6400
Shutter speeds: 30 sec - 1/8000 sec
White balance: 10 sets, incl auto and custom
Continous shooting: maximum 1 fps
Flash sync: at 1/250 sec
Exposure: Manual or auto
Video recording: MOV H.264
Frame rate: (1920 x 1080) 24, 25, 30 fps (1280x720) 50, 60 fps
Video length: max 30 min / 4 GB
Operative systems: XP / Vista + OS 10.4 - 10.5
Operating enviroment: 0 - 40 C, 85 % humidity
Lens mount: Canon EFS
Recommended lenses: Fixed focal lenses from 14 mm up to 35 mm or wide angle zoom (zoom focal set not remote controlled)
Other lenses: May require close-up diopters and must not be longer than 120 mm
Interface: USB 2.0
Media: Compact flash Type I / II

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