

ME200S-SH

MULTI-PURPOSE CAMERA



ME200S-SH

Supporting a wide variety of needs such as video production, and surveillance

This new ME200S-SH is a multi-purpose camera that achieves both high image quality, and high sensitivity performance. As the camera is small and lightweight, it can be used in combination with drones and gimbal systems, and it can be used as a sub camera for video production in shooting locations where portability is required. In addition, in combination with such peripherals as remote heads, it can be used for surveillance applications.

Achieving both high image quality and high sensitivity

*Equipped with Canon's Super 35mm CMOS image sensor (effective pixels of approx. 8.29 megapixels) and DIGIC DV4 for enhanced high quality video with less occurrences of color artifacts, moiré, and jaggies. In addition, minimum subject illumination of 0.015 lux or less*¹ (when maximum gain*² is 56 dB, ISO speed 200,000 equivalent) is achieved, making it possible to shoot clear video with reduced noise in low light environments. Furthermore, the use of Canon Log with its wide dynamic range, and Wide DR gamma makes shooting possible with smooth gradations, and blown-out highlights and loss of shadow detail alleviated.*

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Technical Specifications

| ME200S-SH | |
|-----------------------------|--|
| IMAGE SENSOR | |
| Sensor | Super 35mm CMOS Sensor |
| Filter | RGB Primary Colour Filter (Bayer array) |
| Effective pixels per sensor | Approx. 8.29MP (3840 x 2160) |
| Minimum illumination | 59.94 Hz mode: 0.015 lux. 50Hz mode: 0.013 lux |
| ND filter | Yes, 2 Glass ND filters (1/8, 3 stops or 1/64 , 6 stops) Manually selected electronic control |
| Horizontal Resolution | Depends on the lens used |
| LENS | |
| Lens Mount | Canon EF mount with Cinema Lock |
| Focus control | Manual Focus using lens or via RC-V100 Remote Control; One Shot AF via assignable button, Dual Pixel CMOS AF with compatible EF, EF-L and EF-S Lenses |
| Iris control | Manual; 1/2, 1/3 stop increments or Fine (approx 1/8 stop). Push Auto Iris via assignable button. Auto (combined function combining Iris, Gain, Shutter and ND filter operation) |
| Aperture range | Depending on selected lens |
| Image stabilization | Depending on selected lens |
| Digital Tele Converter | Yes : X2/ X4/X8 magnification |
| IMAGE PROCESSOR | |
| Type | DIGIC DV 4 |
| Sampling accuracy | YbCbCr 422 via 3G/HD-SDI; RGB 444, YCbCr 444, YCbCr 422 via HDMI |
| Bit depth | 10bit, 8bit effective |
| RECORDING | |
| Video storage media | External Recording Device |
| Recording file format | Depending on External Device |
| Recording frame rate | 3G/HD-SDI Output: 1920x1080: 59.94P/59.94i/50P/50i/29.97P/25P/23.98P 1280x720: 59.94P/50P/29.97P/25P/23.98P HDMI Output: 1920x 1080: 59.94P/59.94i/50P/50i/29.97PsF/25PsF 1280x720: 59.94P/50P 640x480: 59.94P 768x576: 50P |
| Slow/Fast motion | No |
| Interval Record | No |
| Frame Record | No |
| Pre Record (cache record) | No |
| Scan Reverse | No |
| Custom Picture Options | CP1 - CP6, EOS Standard, Wide DR, Canon Log. Normal 1 - Normal 4, EOS Standard, Wide DR, Canon Log available as Gamma Profiles |
| HD->SD conversion | No |
| Audio Recoring | 48kHz, 16-bit 2 Channel Linear PCM |
| SYSTEM | |
| INPUTS/OUTPUTS | |
| Audio in | 3.5mm stereo mini jack, plug-in power mic supported |
| Headphone output | No |
| HDMI | Yes. Output only |
| USB | No |
| 3G/HD-SDI output | Yes, X2; Output 1 OSD compatible, Output 2 Clean output only |
| Time code | No |
| Genlock | Yes, input only, BNC |
| Component out | No |
| AV terminal | No |
| DC input | Yes x2, 4-Pin XLR, 2-Pin connection. Input 11 - 17V |
| Lens Terminal | Yes, 12-pin connector |
| Remote Control Terminal | Yes, x2: Remote A: 2.5mm mini jack/Remote B: Circular 8-pin . Both utilise Canon Unique Protocol |
| Memory Card connector | Yes, microSD card (for firmware update only, no recording capability) |
| Colour Bars | Yes, SMPTE, EBU and ARIB depending on system frequency |

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Technical Specifications

| | |
|---|--|
| MISC | |
| Tally lamp | No |
| Custom key | No |
| User Assigned Functions | Yes, 3 buttons. 4 functions available if using RC-V100 accessory Assignable items: One-Shot AF / Push Auto Iris / ABB / AE Shift + / AE Shift - / Bar / Set WB / Tele-converter / Infrared / External Rec / Custom Picture / Camera Mode A/M. These items work with the RC-V100 remote controller |
| Custom Dial | No |
| SHOOTING FUNCTIONS | |
| EXPOSURE | |
| Exposure metering | Backlight, Standard, Spotlight |
| Exposure compensation | Yes: ± 2.0 , ± 1.75 , ± 1.50 , ± 1.25 , ± 1.0 , ± 0.75 , ± 0.50 , ± 0.25 or ± 0 |
| Exposure Lock | No |
| Auto Gain Control setting | Yes, OFF (56dB) or value from 30dB to 54 dB (in 3 dB increments) |
| Dynamic Range | Canon Log/Wide DR mode: 800%/12 stops at 9.0dB (Approx. ISO 900) |
| Gain setting | 0dB to 56dB in 3dB intervals |
| Equivalent ISO Range (Approx.) | 320 - 204800 |
| SHUTTER SPEED | |
| Control Modes | Manual 1/4 stop increments, Auto (combined function combining Iris, Gain, Shutter and ND filter operation) |
| Shutter speed | 1/3 sec - 1/2000 sec depending on recording mode and system frequency |
| Shutter Angle | No |
| Slow Shutter (SLS) | No |
| Scan Reverse | Yes |
| Clear Scan | No |
| INFRARED | |
| Infrared shooting mode | Yes: IR Cut-out filter, electrically operated |
| Built-in IR lamp | No |
| WHITE BALANCE | |
| Auto | YES |
| Preset | Daylight/Tungsten |
| Shockless WB | Yes, via Custom Function Menu |
| Manual setting | Set A, Set B (Default 5,500K) Kelvin (2000K - 15000K) |
| Auto Black Balance | Yes |
| TIME CODE | |
| Countup system | No |
| Start value setting | No |
| AUDIO | |
| Recording | Linear PCM 48 kHz 16-bit digital conversion, 2 channels |
| ACCESSORIES | |
| Supplied | 2-pin power adapter |
| Optional | RC-V100 remote Control Unit, 8-pin remote cable RR10, RR100 |
| POWER INPUT | |
| Operating Voltage | DC: 11 - 17V via 4-pin XLR or 2pin connector |
| Power Consumption | 11W (Approx.) |
| MISCELLANEOUS | |
| Dimensions | 102mm x 116mm x 113mm (W x H x D) 4.0 x 4.6 x 4.4 inches |
| Weight (camera only) | Approx. 1.0 kg (2.2 lbs) body only |
| Operating Temperature range | Approx. 0°C to 40°C, (85% (relative humidity), Approx. -5 to 45°C 60% relative humidity) |
| Disclaimers | |
| All specifications are subject to change without notice | |

*1 Compliant with the specification method for CCTV devices (TTR-4602B) issued by the Japan Electronics and Information Technology Industries Association (JEITA). Theoretical value based on the following shooting conditions:
color, no light
accumulation, f/1.2, 30P, 50 IRE

*2 Gain indicates the power of amplitude of a signal output from the pixels. Units are in decibels (dB). Increasing the gain setting value makes it possible to shoot in dark locations.

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