

EX-S10 Specifications

| | | EXILIM Card | |
|---|--|--|---|
| | | EX-S10 | |
| Number of Effective Pixels | | 10.1 million | |
| Image Sensor | | 1/2.3-inch square pixel CCD | |
| | Total Pixels | 10.34 million | |
| File Format | Still Images | JPEG (Exif Version 2.2, DCF 1.0 standard, DPOF compliant) | |
| | Movies | MOV format, H.264/AVC, IMA-ADPCM (monaural) | |
| | Audio (Voice Recording) | WAV format (monaural) | |
| Built-in Flash Memory (Image area) | | 11.8MB | |
| Recording Media | | SDHC Memory Card, SD Memory Card, MultiMediaCard, MultiMediaCardplus compatible | |
| Number of Recorded Pixels | Still Images | 3648 x 2736, 3648 x 2432 (3:2), 3648 x 2048 (16:9), 3072 x 2304, 2304 x 1728, 1600 x 1200, 640 x 480 | |
| | Movies | 848 x 480 (UHQ Wide/HQ Wide, 30 fps), 640 x 480 (UHQ/HQ/Normal, 30 fps), 320 x 240 (LP, 15 fps) | |
| Recording Capacity (when set at maximum image size) | Still Images | Built-in Flash Memory | Approx. 1 shot (Fine) / 3 shots (Normal) / 5 shots (Economy) |
| | | SD Memory Card 1GB ¹ | Approx. 151 shots (Fine) / 286 shots (Normal) / 426 shots (Economy) |
| | Movies | Recording Time | Maximum Recording Time per File: 10 minutes |
| | | Built-in Flash Memory | Approx. 11 seconds |
| | SD Memory Card 1GB ¹ | Approx. 18 minutes 52 seconds | |
| Operating Speed | Power on to First Shot ^{2,3} | | Approx. 1.2 seconds |
| | Shutter Release Time Lag ^{2,3} | | Approx. 0.008 second |
| | Image Playback | | Approx. 0.1 second/image |
| | Shot to Shot Time ^{3,4} | | Approx. 1.9 seconds |
| | Normal Speed Continuous Shutter ⁴ | | Approx. 1.2 second intervals |
| | High-speed Continuous Shutter ⁵ | | Maximum is 4 frames per second |
| | Flash Continuous Shutter | | Maximum is 3 frames per second |
| Lens | Construction | | 6 lenses in 5 groups, including aspherical lens |
| | F-number | | F2.8 (W) to 5.3 (T) |
| | Focal Length | f=6.3 to 18.9mm | |
| 35mm film equivalent | | Approx. 36 to 108mm | |
| Zoom | Optical Zoom | | 3X |
| | Digital Zoom | | 4X (12X in combination with optical zoom) |
| Focusing | Focus Type | | Contrast Detection Auto Focus |
| | Focus Modes | | Auto Focus, Macro Mode, Pan Focus, Infinity Mode, Manual Focus |
| | AF Area | | Spot, Multi or Tracking |
| | AF Assist Lamp | | Included |
| Focus Range ⁶ (from lens surface) | Auto Focus | | Approx. 40cm to ∞ (W) |
| | Macro | | Approx. 15cm to 50cm (W) |
| | Infinity Mode | | ∞ (W) |
| | Manual Focus | | Approx. 15cm to ∞ (W) |
| Exposure | Exposure Metering | | Multi-pattern, center weighted, spot by imaging element |
| | Exposure Control | | Program AE |
| | Exposure Compensation | | -2EV to +2EV (in 1/3EV steps) |
| Shutter Type | | | CCD electronic shutter, mechanical shutter |
| | Shutter Speed ⁷ | Auto | 1/2 to 1/2000 second |
| | | Night Scene (BEST SHOT) | 4 to 1/2000 second |
| Aperture ⁸ | | F2.8 (W) to F7.9 (W) ⁹ , auto switching | |
| White Balance | | Auto WB, Daylight, Overcast, Shade, Day white FL, Daylight FL, Tungsten, manual WB | |
| Sensitivity (SOS/REI) ¹⁰ | Still Images | Auto, ISO50, ISO100, ISO200, ISO400, ISO800, ISO1600 | |
| | Movies | Auto | |
| Other Recording Functions | BEST SHOT | | Included: 36 scenes |
| | YouTube™ Capture Mode | | Included |
| | Face Recognition | | Included |
| | Auto Shutter | | Included |
| | Voice Recording | | Included |

| | | EXILIM Card |
|--|------------------------------|---|
| | | EX-S10 |
| Self-timer | | 10 seconds, 2 seconds, Triple Self-timer |
| Built-in Flash | Flash Modes | Auto, Flash Off, Flash On, Soft Flash, Red Eye Reduction |
| | Flash Range | Normal: Approx. 0.2 to 2.8m (W), approx. 0.4 to 1.5m (T) Flash Continuous Shooting: Approx. 0.4 to 1.8m (W), approx. 0.4 to 1.0m (T) |
| Monitor Screen | | 2.7-inch wide TFT color LCD (Super Clear LCD), 230,160 dots (959×240) |
| Timekeeping Functions | Date and Time | Recorded with image data |
| | On-image Time Stamp Function | Included |
| | Auto Calendar | To 2049 |
| | World Time | 162 cities in 32 time zones, city name, date, time, summer time |
| Input/Output Terminals | | USB/AV port |
| | USB | Hi-Speed USB |
| Microphone | | Monaural |
| Speaker | | Monaural |
| Power Requirements | | Rechargeable lithium ion battery (NP-60) x 1 |
| Battery Life | Number of Shots*11 | Approx. 280 still images (CIPA Standards) |
| | Continuous Playback | Approx 3 hr. 10 min. (still images) |
| | Continuous Recording | Approx. 6 hr. 40 min. (voice recording) |
| Dimensions (excluding projections) | | 94.2 (W) x 54.6 (H) x 15.0 (D)mm |
| | | Thinnest Part: 13.8mm |
| Weight (excluding battery and accessories) | | Approx. 113g |
| Bundled Accessories | | Rechargeable lithium ion battery, lithium ion battery charger, AC power cord, USB cable, AV cable, strap, CD-ROM |

*1. When using Panasonic (Matsushita) Pro High Speed 1GB SD Memory Card. *2. When using built-in memory. *3. With built-in flash off. *4. When set at maximum image size and normal image quality. *5. Image is fixed at 1600x1200 pixels and normal image quality. *6. Range is affected by optical zoom. *7. Shutter speed range may be different depending on the BEST SHOT scene. *8. Using optical zoom causes the aperture to change. *9. F7.9 is the aperture when an ND filter is being used. *10. SOS: Standard Output Sensitivity. REI: Recommended Exposure Index. *11. Auto Mode, standard brightness monitor setting.