

|                                       |   |   |  |
|---------------------------------------|---|---|--|
| <b>Image Sensor</b>                   |   | <b>Movie Recording System</b>   |  |
| Effective pixels                      | 16 Megapixels   | Recording format  | QuickTime Motion JPEG®   |
| Filter array                          | Primary colour filter (RGB)   | Image Stabilisation Mode  | Multi-motion Movie IS  |
| Full resolution                       | 16.8 Megapixels   | HD Movie quality  | 1080P Recording time: 29min.<br>720P Recording time: 29min.<br>720P / 60fps Recording time: 20s<br>VGA Recording time: Up to card capacity<br>QVGA / 240fps Recording time: 1min 20s<br>VGA / 120fps Recording time: 30s<br>Note: maximum file size 4GB<br>When shooting 1080P/720P movies, use SDHC / SDXC class 6 or higher. |
| Type                                  | 1/2.3" CMOS   | Movie quality   |  |
| <b>Lens</b>                           |   | Magic Filter  | Pop Art, Pin Hole, Fisheye, Drawing, Soft Focus, Punk, Water color, Reflection, Miniature  |
| Optical zoom                          | 24x (WIDE)  | <b>Sound Recording System</b>   |  |
| Focal length                          | 4.5 - 108.0mm   | Internal microphone   | Stereo   |
| Focal length (equiv. 35mm)            | 25 - 600mm  | Sound recording   | Yes, format: PCM   |
| Maximum aperture                      | 3.0 - 6.9   | Image footage   | 4s   |
| Structure                             | 11 lenses / 10 groups   | Voice playback  | Yes  |
| Aspherical glass elements             | 3   | Speaker   | Yes  |
| ED glass elements                     | 3   | <b>Memory</b>   |  |
| <b>Digital Zoom</b>                   |   | Removable Media   | SD / SDHC / SDXC (UHS-I class supported)   |
| Enlargement factor                    | 4x / 96x  | Capacity  | 128 GB   |
| Super Resolution Zoom                 | 2x / 48x  | Internal memory   | 43MB   |
| <b>Monitor</b>                        |   | Eye-Fi Card compatible  | Yes  |
| Resolution                            | 920000 dots   | <b>Image Size</b>   |  |
| Monitor size                          | 7.6cm / 3.0"  | 16M   | 4608 x 3456  |
| Monitor type                          | LCD - Touch Panel   | 8M  | 3264 x 2448  |
| Live Guide                            |   | 5M  | 2560 x 1920  |
| Frame assistance                      | Yes   | 3M  | 2048 x 1536  |
| Brightness adjustment                 | +/- 2 levels  | 2M  | 1600 x 1200  |
| Protection panel                      | Yes   | 1M  | 1280 x 960   |
| <b>Focusing System</b>                |   | VGA   | 640 x 480  |
| Method                                | TTL iESP auto focus with contrast detection   | 16:9  | 4608 x 2592<br>1920 x 1080   |
| Modes                                 | iESP, Face Detection AF, Spot, AF Tracking  | <b>View Images</b>  |  |
| Standard mode                         | 0.1m - ∞ (wide) / 0.4m - ∞ (tele)   | Modes   | Single, Index, Zoom, Slide show, Event, Photo Surfing  |
| Macro mode                            | 0.1m - ∞ (wide) / 0.4m - ∞ (tele)   | Index   | 5 x 4 frames   |
| Super Macro mode                      | Closest focusing distance: 3cm  | Zoom  | 1.1 - 10x  |
| AF illuminator                        | Yes   | Auto rotation   | Yes  |
| <b>Light Metering</b>                 |   | Image protect mode  | Yes  |
| Modes                                 | ESP light metering, Spot metering   | Histogram in playback mode  | Yes  |
| Histogram in shooting mode            | Yes   | <b>View Movie</b>   |  |
| <b>Exposure System</b>                |   | Modes   | Frame by frame, Fast forward, Index jump, Reverse playback   |
| Modes                                 | i-Auto, Programme automatic, P + Movie clip, Scene Modes, Magic Filter, Panorama, Movie, Multi-Recording, 3D Photos, Beauty & Make-up   | <b>Internal Flash</b>   |  |
| Shutter speed                         | 1/4 - 1/1700s / < 4s(Night scene)   | Modes   | AUTO, Red-eye reduction, Fill-in, Off  |
| Exposure compensation                 | +/- 2EV / 1/3 steps   | Working range (wide)  | 0.1 - 9.3 m (ISO 1600)   |
| Enhancement function                  | Mechanical Image Stabiliser<br>Advanced Face Detection Technology<br>Shadow Adjustment Technology<br>Pet Detection  | Working range (tele)  | 0.4 - 4.0 m (ISO 1600)   |
| <b>Scene Modes</b>                    |   | <b>Power Supply</b>   |  |
| Number of scene modes                 | 17  | Battery   | LI-50B Lithium-Ion Battery   |
| Modes                                 | Portrait, Landscape, Hand-held Starlight, Night Scene, Night Scene with portrait, Sports, Indoor, Self-portrait, Sunset, Fireworks, Cuisine, Documents, Beach and Snow, Pet (cat), Pet (dog), 3D, Backlight HDR | Internal Charging   | Yes  |
| <b>Magic Filter</b>                   |   | <b>Interface</b>  |  |
| Types                                 | Pop Art, Pin Hole, Fisheye, Drawing, Soft Focus, Punk, Sparkle, Water color, Reflection, Miniature, Fragmented, Dramatic  | DC input  | Yes  |
| <b>Sensitivity</b>                    |   | Combined A/V & USB output   | Yes  |
| Auto                                  | AUTO / High AUTO  | USB 2.0 High Speed  | Yes  |
| Manual                                | ISO 80, 100, 200, 400, 800, 1600, 3200, 6400  | HDMI™   | Yes, Micro connector (Type D)*   |
| <b>White Balance</b>                  |   | SNS upload  | Yes  |
| AUTO WB system                        | Yes   | * "HDMI", the HDMI logo and "High-Definition Multimedia Interface" are trademarks or registered trademarks of HDMI Licensing LLC. |  |
| Preset values                         | Overcast, Sunlight, Tungsten, Fluorescent 1   | <b>Other Features</b>   |  |
| One-touch white balance               | 1 custom settings can be registered   | Self timer  | 2 / 12 s Pet auto shutter  |
| <b>Sequence Shooting</b>              |   | Perfect Shot Preview  | Yes  |
| Sequential shooting mode (high speed) | 60 fps / 110 frames (in 3MP mode)   | Menu guide  | Yes  |
|                                       | 15 fps / 110 frames (in 3MP mode)   | Panorama function   | Smart Panorama   |
|                                       | 10 fps / 10 frames (Full Image Size)  | Photo Surfing   | Yes  |
| Sequential shooting mode              | 2.5 fps / 200 frames (Full Image Size)  | Date imprint  | Yes  |
| <b>Image Processing</b>               |   | <b>Size</b>   |  |
| Noise reduction                       | Yes   | Dimensions (W x H x D)  | 106.3 x 68.7 x 39.5mm  |
| Pixel mapping                         | Yes   | Weight  | 226g (including battery and memory card)   |
| Engine                                | TruePic V (Dual)  | <b>Exterior</b>   |  |
| Shading compensation                  | Yes   | Material  | Metal  |
| Distortion compensation               | Yes   |   |  |
| Image Editing                         | Resize, Trimming, Correction of saturation, Beauty Fix  |   |  |