

# Specifications of Digital Still Camera

|                     |                           | DMC-L1  |
|---------------------|---------------------------|---|
| TYPE                | Type                      | Interchangeable Lens Digital SLR Camera   |
|                     | Recording Media           | SD Memory Card, SDHC Memory Card, Multimedia Card   |
|                     | Image Sensor Size         | 17.3 x 13.0 mm  |
| IMAGE SENSOR        | Mount                     | Four Thirds mount   |
|                     | Type                      | Live Mos Sensor   |
|                     | Total Pixels              | 7.9 Mega-pixel  |
|                     | Camera Effective pixels   | 7.5 Mega-pixel  |
|                     | Aspect Ratio              | 3:4 (Vertical : Horizontal)   |
|                     | Color Filter              | Primary color filter  |
|                     | Dust Reduction System     | Supersonic Web Filter   |
| RECORDING SYSTEM    | Recording File Format     | JPEG(Design rule for Camera File system, based on Exif 2.21 standard),<br>DPOF corresponding, RAW   |
|                     | Aspect Ratio              | 4:3, 3:2, 16:9 (3:2,16:9 with Live view only)   |
|                     | File Size                 | 4:3 Aspect Ratio: 3136 x 2352 pixels, 2560 x 1920 pixels, 2048 x 1536 pixels  |
|                     |                           | 3:2 Aspect Ratio: 3136 x 2080 pixels, 2560 x 1712 pixels, 2048 x 1360 pixels  |
|                     | Color Space               | 16:9 Aspect Ratio: 3136 x 1760 pixels, 1920 x 1080 pixels<br>sRGB, Adobe RGB  |
| VIEWFINDER          | Type                      | Eye level Porro Mirror type Optical View Finder   |
|                     | Field of View             | Approx. 95%   |
|                     | Magnification             | Approx. 0.93x   |
|                     | Eye point                 | Approx.18mm (-1[m-1])   |
|                     | Diopter Adjustment        | -3.0 ~ +1 [m-1]   |
|                     | Focusing Screen           | Fixed type  |
|                     | Mirror                    | Quick Return Mirror   |
|                     | Depth-of-Field Preview    | Enabled with Aperture Preview button (with Live view only)  |
| AUTO FOCUS          | Eyepiece Shutter          | Detachable  |
|                     | Type                      | TTL Phase Difference Detection System   |
|                     | Focusing Mode             | AFS/AFC/MF  |
|                     | Focusing Area             | 3 points  |
|                     | Focusing Area Selection   | Auto / 1fixed point, left / 1fixed point, center/ 1fixed point, right   |
|                     | AF Detectable Range       | EV0-19 (ISO100)   |
|                     | AF Assist Lamp            | YES   |
| EXPOSURE CONTROL    | AF Lock                   | AFL/AEL button or Shutter button halfway pressed in AFS mode  |
|                     | Light Metering System     | TTL Full Aperture Light Metering by<br>49 Zones Multi-pattern Sensing system(Optical view finder )<br>256 zone Multi-pattern Sensing system (Live view mode)                          |
|                     | Light Metering Mode       | Intelligent Multiple/ Center Weighted/ Spot   |
|                     | Metering Range            | 0 - 20EV with Optical view finder, 0 - 16EV with Live view mode (with F2.0 lens, ISO 100)   |
|                     | Exposure Mode             | Program AE / Aperture Priority AE/ Shutter Priority AE / Manual   |
|                     | ISO sensitivity           | Auto/100/200/400/800/1600   |
|                     | Exposure Compensation     | 1/3EVStep ±2EV  |
|                     | AE Lock                   | AFL/AEL Button or Shutter button halfway pressed  |
| WHITE BALANCE       | AE Bracket                | 3frame, 5frame 1/3-1EV Step ±2EV  |
|                     | White Balance             | Auto / Daylight / Cloudy / Shade / Halogen / Flash / White Set 1,2 / Color temperature setting  |
|                     | White Balance Adjustment  | blue/amber bias, magenta/green bias   |
| SHUTTER SYSTEM      | Color temperature setting | 2500K to 10000K in 31steps  |
|                     | Type                      | Focal-plane shutter   |
|                     | Shutter Speed             | 1/4000 ~ 60 and Bulb (up to approx. 8minutes)   |
|                     | Self Timer                | 10 sec / 2sec   |
| BURST SHOOTING      | Remote Control            | Remote control with bulb function by DMW-RSL1 (Optional)  |
|                     | Burst Speed               | 3 frames/sec or 2 frames/sec  |
|                     | Number of Recordable      | 6 pictures (when there are RAW file),<br>Unlimited consecutive shooting (when there are no RAW file)<br>(depending on memory card size, battery power, picture size, and compression) |
| BUILT-IN-FLASH      | Type                      | TTL Built-in-Flash, GN10 (ISO100,m), Built-in Pop-up, Bounce flash  |
|                     | Built-in Flash            | Auto, Auto/Red-eye Reduction, Forced On/Red-eye Reduction,<br>Slow Sync., Slow Sync./Red-eye Reduction, Forced On/Off   |
|                     | X-Sync speed              | Less than 1/160 second  |
|                     | Flash output adjustment   | 1/3EVStep ±2EV  |
|                     | Flash synchronization     | 1st. Curtain Sync. and 2nd Curtain Sync. (Selectable)   |
|                     | Hot Shoe                  | TTL Auto with FL360/FL500 (Optional)  |
| LCD MONITOR         | Type                      | Low temperature Polycrystalline TFT LCD   |
|                     | Monitor Size              | 2.5inch   |
|                     | Pixels                    | 207K pixels   |
|                     | Filed of view             | Approx. 100% in LIVE VIEW MODE  |
| LIVE VIEW           | OSD language              | English,German,French,Italian,Spanish,Polish,Czech,Hungarian,Japanese   |
|                     | Type                      | YES ( LCD monitor can be used as view finder, with Live MOS sensor set to monitor mode.   |
|                     | Digital zoom              | 2x, 4x (with Live view only)  |
| FILM MODE           | Extra Optical zoom        | Max.1.5x<br>(With Live view only. Not effective with full pixel recording.<br>Magnification ratio depends on the recording pixels.)   |
|                     | Color                     | Standard / Dynamic / Nature / Smooth Color  |
| PLAYBACK            | Black and White           | Standard / Dynamic / Smooth Color   |
|                     | Playback Mode             | Single / 9, 25-thumbnail display, Calendar display,<br>Zoomed playback (16x max.), /image rotation (except for RAW)   |
|                     |                           | Slide show (duration is adjustable, also manual controllable),<br>Playback of favorite pictures/ Resizing (selectable number of pixels)   |
|                     |                           | Trimming / Protection / Aspect conversion / DPOF print setting  |
| PROTECTION / ERASE  | Protection                | Single / Multi or Cancel  |
|                     | Erase                     | Single / Multi / All  |
| DIRECT PRINT        | Print                     | PictBridge(Print size, Layout, Date setting is selectable )   |
| INTERFACE           | Digital                   | USB 2.0 (High speed)  |
|                     | Analog Video              | NTSC/PAL Composite (Switched by menu)   |
| POWER               | Battery                   | Li-ion Battery Pack (7.2V, 1400mAh) (Included)<br>Battery Charger/AC Adaptor (Input: 110-240V AC) (Included)  |
|                     | Battery Life              | Approx. 450 images (CIPA Standard with LEICA D VARIO-ELMARIT 14-50mm/F2,8-F3.5 ASPH.)   |
|                     | Dimensions (W x H x D)    | 145.8 x 86.9 x 80mm   |
| DIMENSIONS / WIGHT  | Weight                    | Approx. 530g (Body only)  |
|                     | Operating temperature     | 0°C to 40°C   |
| OPERATING CONDITION | Operating humidity        | 10% to 80%  |
|                     | Software                  | LUMIX Simple Viewer, PhotofunStudio -viewer-<br>SILKYPIX DEVELOPER STUDIO<br>Quick Time<br>USB Driver   |
| STANDARD ACCESSORY  | Standard Accessory        | Battery Charger/AC adaptor, Battery Pack, Eyepiece Cap, Body Cap,<br>Video Cable, USB Connection Cable, AC Cable, DC Cable, Strap, CD-ROM   |

# Specifications of Leica D lens

|                           | <b>LEICA D VARIO-ELMARIT 14-50mm/F2,8-F3.5 ASPH.</b>       |
|---------------------------|--|
| Lens Construction         | 16 elements in 12 groups (2 Aspherical lenses)             |
| Mount                     | Four Thirds mount  |
| Optical Image Stabilizer  | YES<br>On/Off (selectable Mode 1 / 2 with only DMC-L1)     |
| Focal Length              | f=14mm to 50mm (35mm film camera equivalent 28mm to 100mm) |
| Aperture Type             | 7 diaphragm blades / iris diaphragm                        |
| Aperture Range            | F2.8(wide) - F3.5(Tele)                                    |
| Minimum Aperture          | F22  |
| Closest Focusing Distance | 0.29m at all focal lengths                                 |
| Maximum magnification     | Apporox. 0.32x (35mm Equiv)                                |
| Diagonal Angle of View    | 75° (W) ~ 24° (T)  |
| Filter Size               | 72mm   |
| Max. Diameter             | φ78.1  |
| Overall Length            | 102.8mm  |
| Weight                    | 490g   |
| Standard Accessory        | Lens Cap, Lens Hood, Lens Rear Cap, Lens Storage Bag       |