

	DMC-FS20 / DMC-FS5
Dimensions (W x H x D)	FS20: 94.9 x 57.1 x 22.9 mm (3.74 x 2.25 x 0.9 in) FS5: 94.9 x 53.4 x 22.5 mm (3.74 x 2.10 x 0.89 in)
Weight	FS20: Approx. 132g (0.29lb) Approx. 154g with Battery and SD Memory Card (0.34 lb) FS5: Approx. 119g (0.26lb) Approx. 141g with Battery and SD Memory Card (0.31 lb)
Camera Effective Pixels	10.1 Mega pixels
Image Sensor	1/2.33" 10.7 Total Mega Pixels CCD, Primary Color Filter
Optical Zoom	4x
Extra Optical Zoom	<u>4:3 Aspect Ratio</u> : 4.8x for 7Mega, 5.7x for 5Mega, 7.1x for 3Mega, 2Mega, 0.3Mega <u>3:2 Aspect Ratio</u> : 4.8x for 6Mega, 5.7x for 4.5Mega, 7.1x for 2.5Mega <u>16:9 Aspect Ratio</u> : 4.8x for 5.5Mega, 5.7x for 3.5Mega, 7.1x for 2Mega
Digital Zoom	4x (Max. 16.0 x combined with Optical Zoom without Extra Optical Zoom) (Max. 28.5x combined with Extra Optical Zoom)
Focal Length	f=5.2-20.8mm (35mm Equiv.: 30-120mm)
Lens	LEICA DC VARIO-ELMAR 7 elements in 6 groups (3 Aspherical Lenses / 4 Aspherical surfaces)
Aperture	Wide: F3.3-F8 Tele: F5.8-F8
Optical Image Stabilizer	MEGA O.I.S. (Mode1/ Mode2)
Focusing Area	Normal: 50cm - infinity Macro / Intelligent AUTO: Wide 5cm / Tele 50cm - infinity
AF Metering	Face / 1-point/ 1-point high speed / 9-point
Focus	Normal / Macro, Quick AF (On/Off)
AF Assist Lamp	Yes
ISO Sensitivity	Auto /100 / 200 / 400 / 800 / 1600 (High Sensitivity Mode : Auto(1600 - 6400))
White Balance	FS20: Auto / Daylight / Cloudy / Shade / Halogen / White Set FS5: Auto / Daylight / Cloudy / Shade / Halogen / White Set White Balance Adjustment (only in underwater mode)
Exposure	Program AE
Exposure Compensation	1/3 EV step, +/-2 EV
Backlight Compensation	Yes (at Intelligent AUTO mode)
Auto (AE) Bracketing	+/- 1/3 EV ~1EV step, 3 frames
Light Metering	Intelligent Multiple
Rec Mode (Mode Dial)	Intelligent AUTO, Normal Picture, Motion Picture, Scene 1, Scene 2
Scene Mode	FS20: Portrait, Soft Skin, Scenery, Sports, Night Portrait, Night Scenery, Self-Portrait, Food, Party, Candle Light, Baby1, Baby2, Pet, Sunset, High sensitivity, Hi-Speed Burst, Starry Sky, Fireworks, Beach, Snow, Aerial photo FS5: Portrait, Soft Skin, Scenery, Sports, Night Portrait, Night Scenery, Self-Portrait, Food, Party, Candle Light, Baby1, Baby2, Pet, Sunset, High sensitivity, Hi-Speed Burst, Starry Sky, Fireworks, Beach, Snow, Aerial photo, Underwater
Shutter Speed	8-1/2000 sec, Starry Sky Mode : 15, 30, 60sec.
Self Timer	2sec / 10sec
Auto Review	1sec, 2sec, Zoom, Hold
Color Mode	Standard, Natural, Vivid, Black & White, Sepia, Cool, Warm
Recording Format	Still Image: JPEG(Design rule for Camera File system, based on Exif 2.21 standard) DPOF corresponding Image with audio: JPEG (Design rule for Camera File system, based on Exif 2.21 standard) + QuickTime

	Motion picture: QuickTime Motion JPEG
Recording Image Size	<p>Still Image:</p> <p><u>4:3 Aspect Ratio:</u> 3648 x 2736 pixels, 3072 x 2304 pixels, 2560 x 1920 pixels, 2048 x 1536 pixels, 1600 x 1200 pixels, 640 x 480 pixels</p> <p><u>3:2 Aspect Ratio:</u> 3648 x 2432 pixels, 3072 x 2048 pixels, 2560 x 1712 pixels, 2048 x 1360 pixels</p> <p><u>16:9 Aspect Ratio:</u> 3648 x 2056, 3072 x 1728 pixels, 2560 x 1440 pixels, 1920 x 1080 pixels</p>
Image Quality	Fine / Standard
Motion Picture	<p><u>4:3 Aspect Ratio:</u> 640 x 480 pixels, 320 x 240 pixels 30 fps, 10 fps</p> <p><u>16:9 Aspect Ratio:</u> 848 x 480 pixels 30 fps, 10 fps</p>
Burst Shooting Mod	<p><u>Full-Resolution Image</u> 2.5 frames/sec Max. 5 images (Standard mode), Max 3 mages (Fine Mode)</p> <p><u>High-speed Burst Mode:</u> Approx. 6 frames/sec (recorded in 2M for 4:3, 2.5M for 3:2, 2M for 16:9)</p>
Unlimited consecutive shooting	Yes
Intelligent Exposure	No
Digital Red Eye Correction	No
Easy Zoom / Zoom Resume	Yes / No
Zoom in Motion Picture Recording	No
Composition Guide line	Yes (2 patterns)
Built-in-Memory	approx. 50MB
Scene Mode Help Screen	Yes
Auto Angle Detection	Yes
Travel Date / World Time	Yes / Yes
Title Edit	Yes
Text Stamp	Yes
Built-in-Flash	<p>Auto, Auto/Red-eye Reduction, Forced On, Forced Off (Slow Sync./Red-eye Reduction only in Night Portrait/Party/Candle Light mode only)</p> <p>0.3 - 5.3m (Wide/ISO Auto), 0.5 - 3.0m (Tele/ISO Auto)</p>
LCD Monitor	<p>FS20: 3.0" Polycrystalline TFT LCD Display (230K dots), Field of View : approx. 100% AUTO Power LCD mode, Power LCD mode, High angle mode</p> <p>FS5: 2.5" TFT LCD Display (230K dots), Field of View : approx. 100% AUTO Power LCD mode, Power LCD mode, High angle mode</p>
Playback mode	<p>FS20:</p> <p>[REC]/[Play] Selector switch</p> <p>30-thumbnail display, 12-thumbnail display, calendar display, zoomed playback (16x max.), playback of favorite pictures, image rotation, Resizing (selectable number of pixels), trimming, protection, aspect conv. DPOF print setting</p> <p>Dual image playback</p> <p>FS5:</p> <p>[REC]/[Play] Selector switch</p> <p>30-thumbnail display, 12-thumbnail display, calendar display, zoomed playback (16x max.), playback of favorite pictures, image rotation, Resizing (selectable number of pixels), trimming, protection, aspect conv. DPOF print setting</p>
Slideshow Mode	Yes (duration & effect with music adjustable)
Category Playback	Yes (in slideshow mode and normal playback)
OSD language	<p>English, German, French, Italian, Spanish, Polish, Czech, Hungarian, Russian, Chinese (Traditional), Chinese (Simplified), Netherlandic, Thai, Korean, Turkish, Portuguese, Arabic, Persian, Japanese, Swedish, Danish, Finnish</p> <p>*Vary depending on the sales area.</p>
Recording Media	Built-in Memory

	SD Memory Card, SDHC Memory Card, MultiMediaCard(Still image only)
Microphone	Yes
Speaker	Yes
Interface	DC Input, AV Output (NTSC/PAL), USB2.0 Full speed
Direct Print	PictBridge
Power	Li-ion Battery Pack (3.6V, 1000mAh) (Included) AC Adaptor (Input: 110-240V AC) (Optional)
Battery life (approx.)	FS20: 280 pictures (CIPA Standard)*1 FS5: 300 pictures (CIPA Standard)*1
Included Software	PHOTOfunSTUDIO -viewer- ArcSoft (MediaImpression / Panorama Maker) USB Driver
Standard Accessories	Battery Charger, Battery Pack, Battery carrying case AV Cable, USB Connection Cable, AC Cable, Strap, CD-ROM