

4x 光学变焦* 时尚数码相机

12.1-万像素 DMC-F3 与 10.1-万像素 DMC-F2

实用自动场景设置达到简单使用

*相等于35mm 菲林相机: F3: 28-112mm / F2: 33-132mm

(吉隆坡3日讯) – Panasonic非常荣幸的为您介绍新的4x光学变焦数码相机12.1-万像素DMC-F3与10.1-万像素 DMC-F2。两种款式都拥有自动场景设置,可以简单的拍摄到漂亮的照片。这些相机可以启动三个摄影助手功能-智能ISO控制、人脸辨识以及智能场景选择器。智能ISO控制通过把快门速度加强至最高以及ISO设置,避免在移动的目标模糊,以提供尖锐和清晰的画面。人脸辨识可以拍摄人脸时调到适合的灯光。不必要的红眼也可以以数码方式修改(仅在F3),背光补助将在它们发生时自动启动--小范围、人像、风景、夜景人像以及夜景--任何一个最适合的设置。再加上,F3拥有一个数码画面平衡器,可帮助压制手抖问题。

在28mm宽角度4x光学变焦(28-112mm*)高素质LUMIX DC VARIO镜片是附有F3和同样素质的33mm 4x 光学变焦(33-132mm*)镜片的F2。12.1-万像素(F3) 以及 10.1-万像素(F2)的高分解、高敏感度CCD使它可以录下最高ISO 1600张照片,使用高敏感度设置**甚至可达到ISO6400张照片。有了附加的光学变焦功能,使用CCD的中间部分,变焦的功能可以放大至7.8x(F3) /7.1x(F2)。

容易观看、宽大、2.7-inch(F3)/2.5-inch(F2) 230,000-点LCD是为了舒适观看同时观察拍摄而设计的。F3的自动高清LCD功能可在室外光亮的太阳底下检测亮度以及自动加强LCD背光至最强的40%，以让显示器更清晰和明显。

除了WVGA (848 x 480) 和普通的VGA (640 x 480)*** ****，新的DMC- F3可录下动态高清影片在一个舒畅的30 fps 下的1280 x 720p。

另外，DMC-F2在电源使用里是超强的，它拥有一个一次充电可拍摄高达300张照片(CIPA)的长寿命的电池。

除了传统的SD/SDHC记忆卡，DMC-F3更接受新一代的SD格式SDXC (SD 的扩大容量)，在容量和资料传送速度也拥有高潜质。DMC-FS3可兼容Windows 7。

关于附加软件PHOTOfunSTUDIO 5.0

最新版本的有趣的软件PHOTOfunSTUDIO 5.0附加在DMC-F3/F2。拥有快速启动和快速画面阅读，PHOTOfunSTUDIO 5.0使在您的电脑里分类以及整理已拍摄或以储存的照片变得可能。人脸辨识功能使在照片里出现的人脸被记住，然后再您分类照片时自动的登记该人的脸。您也可以在播放照片时享受各种的特效以及使用您的iTunes音乐播放背景音乐。影片也可以通过内设的YouTube上传者直接上载到YouTube，甚至可以是高清影片的素质。新的PHOTOfunSTUDIO 5.0也让您在MOV里创建一个360度旋转全景文件。此软件当然也可以兼容在Windows 7。

体验以及感受PHOTOfunSTUDIO 5.0的超强优点。它将让您观看、修改以及达到您所要的照片和影片容易使用和乐趣。

*相等于35mm 相机。

**在3-万像素(4:3), 2.5-万像素(3:2), 2-万像素(16:9) 录影。

***在录影时使用一个拥有SD Speed Class*的卡和 “Class 6” 或更高。(SD speed class 是关于持续录影的速度等级)

****在欧洲, 持续录影可高达15 分钟。

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- Windows 以及 Windows标志是Microsoft公司集团的标商。
- 其他公司以及它的产品名字也是该公司的标商。

- 拥有版权的影片以及照片不准翻用。
- 设计以及规格将在未通知下改变。

DMC- F3/F2 Specifications

silver, black, pink

Metrics	Dimensions (W x H x D)	F3: 95.9 x 53.9 x 22.0 mm / excl. protrusions: 20.5 mm (3.78 x 2.12 x 0.86 in / excl. protrusions: 0.81 in) F2: 97.6 x 55.4 x 24.8 mm / excl. protrusions: 22.3 mm (3.84 x 2.18 x 0.98 in / excl. protrusions: 0.88 in)
	Weight	F3: Approx. 132g with Battery and SD Memory Card (0.29 lb) Approx. 110g without Battery and SD Memory Card (0.24 lb) F2: Approx. 134g with Battery and SD Memory Card (0.30 lb) Approx. 112g without Battery and SD Memory Card (0.25 lb)
Optics	Pixels	Camera Effective Pixels F3: 12.1 Megapixels F2: 10.1 Megapixels
	CCD	Sensor Size / Total Pixels / Filter F3: 1/2.33-inch / 12.7 Total Megapixels / Primary Color Filter F2: 1/2.5-inch / 10.3 Total Megapixels / Primary Color Filter
	Lens	Aperture F3: F2.8 - F6.2 F2: F2.8 - 5.9 / 2-Step (F2.8 - 8 (W) / F5.9 - 16 (T))

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Focus	Optical Zoom	4x
	Focal Length	F3: f=5.0-20.0mm (28-112mm in 35mm equiv.) F2: f=5.5-22.0mm (33-132mm in 35mm equiv.)
	Extra Optical Zoom (EZ)	F3: 4.9x (4:3 / 8M), 5.9x (4:3 / 5M), 7.8x (under 3M) F2: 5.7x (4:3 / 5M), 7.1x (under 3M)
	Lens	LUMIX DC VARIO 6 elements in 5 groups (3 Aspherical Lenses / 6 Aspherical surfaces)
	Digital Zoom	4x (Max. 16.0 x combined with Optical Zoom without Extra Optical Zoom) F3: (Max.31.2x combined with Extra Optical Zoom) F2: (Max.28.4x combined with Extra Optical Zoom)
	Focusing Area	F3:Normal: Wide 50 cm - infinity / Tele 70 cm - infinity Macro / Auto Scene Mode : Wide 20 cm - infinity / Tele 70cm - infinity F2: Normal: Wide 50cm - infinity Macro / Auto Scene Mode : Wide 5cm / Tele 50cm - infinity
	Focus Range Display	Yes
	AF Assist Lamp	Yes
	Focus	Normal / Macro
	AF Metering	Face / 9 pt/ 1pt
Shutter	Shutter Speed	F3: Still: approx. 8 - 1/1000 sec Starry Sky Mode : 15, 30, 60sec. F2: Still: approx. 8 - 1/2000 sec Starry Sky Mode : 15, 30, 60sec.
Recording	Digital Image Stabilizer	F3: Yes F2: No
	Intelligent ISO Control	Photo
	Face Detection	Photo
	Intelligent Scene Selector	Photo (Portrait, Scenery, Night Portrait, Night Scenery, Macro)
	Digital Red Eye Correction (Red-Eye Removal)	F3: PhotoF3 F2: No
File	File Format	Still Image: JPEG(DCF/Exif2.21) Motion picture: QuickTime Motion JPEG

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Interface	Mode Switch	[Recording] / [Playback]	
	Recording Modes	F3: AUTO SCN, Normal Picture, SCN, Motion Picture F2: Auto Scene Mode, Normal Picture, SCN, Motion Picture	
Recording Modes	Still Image Scene Mode	F3: Portrait, Soft Skin, Self-Portrait, Scenery, Sports, Night Portrait, Night Scenery, Food, Party, Candle Light, Baby1, Baby2, Pet, Sunset, High sensitivity, Hi-Speed Burst, Flash Burst, Starry Sky, Fireworks, Beach, Snow, Aerial photo F2: Portrait, Soft Skin, Self-Portrait, Scenery, Sports, Night Portrait, Night Scenery, Food, Party, Candle Light, Baby1, Baby2, Pet, Sunset, High sensitivity, Hi-Speed Burst, Flash Burst, Starry Sky, Fireworks, Beach, Snow, Aerial Photo	
	Continuous Shooting Mode	F3: High-speed Burst Mode: approx. 6 frames/sec (recorded in 3M for 4:3, 2.5M for 3:2, 2M for 16:9) F2: Full-Resolution Image, 2.3 frames/sec Max. 5 images (Standard mode), Max 3 images (Fine Mode) High-speed Burst Mode: approx. 6 frames/sec (recorded in 3M for 4:3, 2.5M for 3:2, 2M for 16:9)	
	Unlimited consecutive shooting	F3: 1.0 frames/sec F2: 1.7 frames/sec	
	Flash Burst Continuous Shooting Mode	Max. 5 images (Standard mode)	
	Motion Picture Recording	F3: 4:3 VGA: 640 x 480 pixels, 30fps (Motion JPEG), QVGA: 320 x 240 pixels, 30 fps (Motion JPEG) 16:9 WVGA: 848 x 480 pixels, 30 fps (Motion JPEG), 1280x720 pixels, 30fps (Motion JPEG) F2: 4:3 VGA: 640 x 480 pixels, 30fps (Motion JPEG), QVGA: 320 x 240 pixels, 30 fps (Motion JPEG) 16:9 WVGA: 848 x 480 pixels, 30 fps (Motion JPEG), 1280x720 pixels, 30fps (Motion JPEG)	
	Exposure Parameters	Exposure	Program AE
		Exposure Compensation	1/3 EV step, +/-2 EV
Backlight Compensation		Yes (only in Auto Scene Mode)	
Light Metering		Intelligent Multiple	

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Image Parameters	ISO Sensitivity	i.ISO / 80 / 100 / 200 / 400 / 800 / 1600 High Sensitivity (ISO 1600-6400)
	Aspect Ratio	4:3 / 3:2 / 16:9
	Still Picture Recording	F3: 4:3 4000x3000(12M) / 3264x2448(8M EZ) / 2560x1920(5M EZ) / 2048x1536(3M EZ) / 640X480(0.3M EZ) 3:2: 4000 x 2672 (10.5M) 16:9 4000 x 2248 (9M) F2: 4:3 3648 x 2736 (10M) / 2560 x 1920 (5M EZ) / 2048 x 1536 (3M EZ) 3:2 3648 x 2432 (9M) / 2048 x 1360 (2.5M EZ) 16:9 1920 x 1080 (2M EZ)
Image Quality	F3: No F2: Fine/ Standard	
	White Balance	Auto / Daylight / Cloudy / Shade / Halogen / White SetF3: (Selectable at Portrait, Soft Skin, Self-Portrait, Sports, Baby, Pet, High Sensitivity, Highspeed Burst)
Others	Quick Menu	Yes
	Color Mode / Color Effect	Standard, Vivid, Natural, Black & White, Sepia, Cool, Warm
	Composition Guide line	Yes (1 pattern)
	Auto Review	1sec, 2sec, Hold
	Easy Zoom / Zoom Resume	No / No
	Scene Mode Help Screen	Yes
	Self Timer	2sec / 10sec
Playback Display	Playback Mode	Normal Playback, Slideshow, Favorites Playback
	Thumbnails / Zoomed Playback	12,30-thumbnails / Max 16x
	Calendar Display	Yes
	Set Favorites / Rotate Image	Yes / Yes
	Playback Motion Picture	Yes (Motion JPEG)

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Delete	Slideshow Mode	All Still Images / Favorites BGM Effect (Natural / Slow / Swing / Urban / OFF)	
	Delete Image	Single / Multi / All / All except Favorites	
	DPOF Print Setting / Set Protection	Yes / Yes	
	Edit	Resize	Yes
		Copy / Text Stamp	Yes / Yes (only Baby, Pet, Travel)
		PictBridge Support	Single / Multi / All / Favorites / DPOF
Setup	OSD language	English, German, French, Italian, Spanish, Polish, Czech, Hungarian, Russian, Chinese (Traditional), Chinese (Simplified), Netherlandic, Thai, Korean, Turkish, Portuguese, Arabic, Persian, Japanese, Swedish, Danish, Finnish, Greek	
	Travel Date / World Time	Yes / Yes	
Others	Monitor	LCD Monitor	F3: 2.7" TFT Screen LCD Display (230K dots), Field of View : approx. 100% AUTO Power LCD mode, Power LCD mode, High Angle mode F2: 2.5" TFT Screen LCD Display (230K dots), Field of View : approx. 100%
		Flash	Built-in-Flash
	Media		Recording Media
		Audio	Built-in-Memory
Microphone / Speaker	Mono / Yes		
Interface	Interface		AV Output (NTSC/PAL, NTSC only for N. America), USB2.0 High Speed, DC Input (requires optional DC Coupler)
	Power		Power
Standard Package			Battery life (approx.)
	Included Software	PHOTOfunSTUDIO 5.0 Edition, QuickTime, Adobe Reader	

*1 These are standard times taken at a temperature of 23°C (73.4°F) and a humidity of 50%. The time available for recording varies depending on the environment, the interval between recordings, and the manner of use. Actual recordable time is the time available for recording when repeating actions such as switching the power supply [ON]/[OFF], starting/stopping recording, zoom operation etc.

*2 CIPA is an abbreviation of [Camera & Imaging Products Association]. Temperature: 23°C (73.4°F)/Humidity: 50% when LCD monitor is on. Using a Panasonic SD Memory Card (32 MB). Using the supplied battery. Starting recording 30 seconds after the camera is turned on. (When the optical image stabilizer function is set to [AUTO].) Recording once every 30 seconds with full flash every second recording. Rotating the zoom lever from Tele to Wide or vice versa in every recording. Turning the camera off every 10 recordings and leaving it until the temperature of the battery decreases. The number of recordable pictures decreases in Auto Power LCD Mode and Power LCD Mode.

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