

Super Compact Versatile Camera DMC-ZR3
with 25mm Ultra Wide Angle to Powerful 8x Optical Zoom*
Featuring AVCHD Lite Movie Recording and Intelligent Resolution
Technology

*35mm film camera equivalent: 25-200mm

Kuala Lumpur, 3 February 2010 – Panasonic is pleased to introduce the LUMIX DMC-ZR3 digital camera from ZR series featuring powerful zoom with a remarkably slim and compact body. Newly added is an AVCHD Lite movie recording function to make the versatile camera even truly “hybrid”.

The new image processing technology “Intelligent Resolution” is incorporated in the Venus Engine HD II for ZR3. By detecting the signals whether they are at edges of subject, they compose detailed texture or just a soft gradation first and give appropriate enhancement to the edges and textured areas respectively. Unlike the uniform enhancement of sharpness, it is possible to perform the optimum signal processing to give a whole image outstandingly natural clearness with fine detail.

This technology is integrated in iA(Intelligent Auto) mode -- a hallmark of LUMIX cameras -- working thoroughly during the the camera is in the iA mode to enhance its potential in many aspects. The iA mode is also available in movie mode. It automatically selects the most suitable Scene mode and helps to correct handshake, focus and brightness problems - making iA mode your one-stop solution to capture beautiful photos and movies.

The powerful 8x optical zoom lens makes it easy to pull in subjects from far away a step closer compared to the conventional stylish point-and-shoot cameras. For an added boost, zoom power can be increased to 10x with the Intelligent Zoom function taking advantage of Intelligent Resolution technology maintaining the picture quality even combining a digital zoom. The 25mm ultra wide-angle feature is ideal for both broad landscapes and tight indoor shots, letting photographers capture a wider view. The 14.1-megapixel high resolution CCD reproduce the detailed images corner to corner and affordable with trimming or even more powerful Extra Optical Zoom by using the center part of it.

Notably the sonic speed AF in the ZR3 features its speed at the industry's fastest level. Combined with a high-speed start-up, this gives the ZX3 a ultra fast response that helps to catch even the most fleeting photo opportunities*. The 2.7-inch large Intelligent LCD offers dynamic and clear view out of its small body. The battery life is also as powerful as approx. 330 pictures shooting thanks to the highly energy efficient image processing LSI, the Venus Engine HD II.

With high-quality aluminum texture which resists fingerprints and soiling, the slim, compact, pocket-fitting size of ZR3 is packed with a host of functions for both photo and movie to be an ideal partner for traveling or for everyday snapshots.

* Equivalent to 35mm camera: 25-200mm.

*The "AVCHD" is a high definition (HD) digital video recording / playback format jointly established by Panasonic Corporation and Sony Corporation. The "AVCHD Lite" is a subset of the "AVCHD format" for HD digital video cameras with HD video recording restricted to 720P. The new "AVCHD Lite" Logo and the "AVCHD Lite" License are restricted to devices within the AVCHD Video Camera category. Digital cameras have been added to the AVCHD Video Camera category.

*The "AVCHD Lite" and the "AVCHD Lite" logo are trademarks of Panasonic Corporation and Sony Corporation.

*AVCHD Lite motion images recorded onto an SD Memory Card or a DVD disc cannot be played from a device that does not support the AVCHD standard.

1. 25mm Ultra-Wide-Angle LEICA DC Lens with 8x Optical / 10x Intelligent Zoom for Superior Versatility in Both Photo and Movie Recording

The DMC-ZR3 features a 25mm ultra wide-angle LEICA DC VARIO-ELMAR lens and powerful 8x optical zoom (equivalent to 25-200mm on a 35mm camera) together with a 14.1-megapixel high resolution CCD into a compact body. The lens unit comprises of 9 elements in 7 groups, including 4 aspherical lenses with 6 spherical surfaces. Notably, Panasonic achieved the incorporation of 0.3mm super thin aspherical lens and 0.3mm spherical lens, both mold and mass production is difficult, into the lens unit. This makes it possible to fit the 25-200mm high performance lens in astonishing slim and compact body.

Thanks to the newly incorporated Intelligent Resolution technology, the Intelligent Zoom is available with the ZR3 which extends the zoom ratio by approx.1.3x maintaining the picture quality even using a digital zoom. This means the 8x optical can virtually extend to 10x equivalent. Furthermore, the Extra Optical Zoom function that extends zoom power to 16.9x (at 3-megapixel resolution) by using the center part of the high resolution CCD to bring subjects even closer.

2. Intelligent Resolution Technology Compiled in the New Venus Engine HD II Assures High Picture Quality for Both Photo and Movie

The high-speed, high-performance Venus Engine HD has been re-engineered to compile the new image processing technology “Intelligent Resolution”. It enables the recording of beautiful photo and high-definition movie with higher quality signal processing.

With the Intelligent Resolution technology, 3 areas –outlines, detailed texture areas and soft gradation areas are automatically detected. The outline parts are enhanced effectively to give edges more clearness while giving a moderate accentuation to the texture areas to look it more finely detailed. To the soft gradation part, superior noise reduction process of the Venus Engine HD II is applied to make it smoother.

Apart from the uniform enhancement of sharpness, the innovative technology Intelligent Resolution precisely performs signal processing pixel by pixel in the most effective way for it. As a result, images are naturally clear and crisp in both photo and movie recording.

The Intelligent Resolution technology also realizes Intelligent Zoom, which virtually extends the optical zoom ratio to its 1.3x equivalent maintaining the picture quality even combining the digital zoom. Details of a image in high sensitivity recording tends to be lost in the noise reduction process, however, the Intelligent Resolution works to keep them.

At the same time, the multi-task image-processing engine Venus Engine HD II supports a super-fast response time. The shutter release time lag is as short as approx. 0.005 second and the camera's quick response makes it easier to capture sudden, spur-of-the-moment photo opportunities together with the Sonic Speed AF (Auto Focus) that lets you lock on the subject minimum in approx. 0.26(wide-end) / 0.31(tele-end) second* and the short startup time of approx. 1.1 second. The high performance Venus Engine HD II is also more energy efficient compared with the conventional Venus Engine HD II, extending the battery life up to 330 shots (CIPA) per a single charge.

*Using 1-area AF.

3. Take Motion Picture Recording to the Next-Level with New Generation AVCHD Lite and iA (Intelligent Auto) Mode

In addition to Motion JPEG images, the DMC-ZR3 can record high-definition motion picture in AVCHD Lite. It features almost doubling the recording time in HD quality compared with the conventional Motion JPEG format. The picture quality is greatly enhanced thanks to the newly added Intelligent Resolution technology. The ZR3 also features Dolby Digital Creator to record high quality audio, so you can match the beautiful motion images with outstanding sound.

Now on the ZR3, the popular iA (Intelligent Auto) is also available in motion image recording. Optical Image Stabilizer (O.I.S.) helps prevent handshake when using high-powered zoom. Face Detection automatically detects a face in the frame and adjusts focus, exposure, contrast, and skin complexion on it so it always turns out beautifully.

Intelligent Exposure continually checks the ambient light level and adjusts the exposure setting as conditions change to prevent blown highlights and blocked shadows. And Intelligent Scene Selector automatically switches between Normal, Portrait, Macro, Scenery, and Low Light modes according to the situation to optimize visual quality.

The powerful 8x optical zoom is available in movie recording, too. With the newly added Video Divide function, users can divide the video into two sections to shorten or to delete the unwanted half on the spot in the camera. You can cutout a still image from a movie in the camera. The Intelligent Resolution makes it possible to produce 1920x1080 still image from 1280x720 HD movie even recorded in AVCHD Lite. A Wind Cut function is also available to block out most of the noise from background wind.

Still or motion images recorded in AVCHD Lite on SD Memory Cards are easy to view on a Panasonic VIERA TV. Simply insert the card into the VIERA Image Viewer (SD Memory Card slot) on VIERA TV or DIGA Blu-ray Disc Player to playback your contents. Alternatively, you can use an optional mini HDMI cable to output the still and motion images you took from the ZR3 directly to the TV for VIERA Link.

You can take maximum advantage of Lumix camera's playback functions including the slideshow in which both still and motion images integrated in the timeline, category playback according to the scene mode you used or calendar display and so on. All control is possible using only the TV's remote control.

In addition, with the included software PHOTOfunSTUDIO 5.0 HD Edition, it is easy to view and edit your recorded contents. You may also choose to upload your videos to YouTube or burn them to a DVD disc for archiving.

*Motion pictures can be recorded continuously for up to 29min 59 sec in some countries.

*Continuous recording exceeding 2GB is not possible when recording motion JPEG. Remaining time for continuous recording is displayed on the screen.

*AVCHD Lite motion images recorded onto an SD Memory Card or a DVD disc cannot be played from a device that does not support the AVCHD standard.

· Use a card with SD Speed Class with "Class4" or higher when recording motion pictures in [AVCHD Lite]. Also, use a card with SD Speed Class with "Class6" or higher when recording motion pictures in [MOTION JPEG].

*SD Speed Class is the speed standard regarding continuous writing.

4. iA (Intelligent Auto) Further Evolved with Intelligent Resolution Technology

Panasonic incorporated the Intelligent Auto mode in pursuit of the ultimate ease of operation and the reduction of misshots. In iA mode the camera does all the work, leaving you free to compose shots and capture moments. Just press, aim and shoot. This mode is now further advanced with the inclusion of Intelligent Resolution technology for DMC-ZR3.

The hand-shake component, which is physically generated when pressing the shutter button or when shooting at night with a slow shutter speed, is recognized as a low-frequency vibration, for which the new POWER O.I.S. is particularly effective. This greatly improves the quality of shots taken at night or indoors where a flash cannot be used, or where the photographer doesn't want to use a flash because it would spoil the mood. It captures beautiful photos in situations that previously resulted in blurring. The Face Recognition function remembers registered faces to give an appropriate AF/AE on the people.

The Intelligent Scene Selector, which automatically selects whichever of 6 Scene Modes -- Macro, Portrait, Scenery, Night Portrait, Night Scenery and newly added Sunset -- that best suits the shooting situation.

The Quick AF system helps keep focus on the subject while the camera is in recording mode even before pressing the shutter button halfway. This improves the result out of a shutter chance because the focus is always near the subject and AF time is minimized.

In addition, newly incorporated Intelligent Resolution technology is always activated in iA mode which results in the clearer and higher picture quality in every photo and movie with extended zoom range equivalent to 10x optical zoom by the Intelligent Zoom.

Once you enter iA mode, these functions happen automatically together with other powerful shooting-assist functions -- AF Tracking, Intelligent ISO Control and Intelligent Exposure -- so you can shoot without the bother of adjusting settings every time conditions change. You can enjoy easy, trouble-free shooting in any situation and get the satisfaction that comes with capturing clear, beautiful images.

The new Happy Mode, a color mode option in iA mode, optimizes color, saturation and brightness to make both photo and movie more vivid and true to the color of the scene you memorized.

5. Other Versatile Functions Adding to the Photographic Enjoyment

The ZR3 is equipped with a 2.7-inch, 230,000-dot Intelligent LCD with super high resolution and a wide viewing angle. The screen brightness automatically adjusts in 11 steps as the surrounding brightness level changes, ensuring easy visibility at all times. The big screen reflects fine details, making it easy to check the focus before shooting. It also serves as a small photo and video viewer, allowing the user and friends to enjoy viewing the still and motion images together.

Scene modes, which are optimized for a variety of still-image shooting situations, are now available for motion images as well. Thanks to a rich variety of 28 scene modes for photo and 18 for movie (Portrait, Soft Skin, Transform, Self portrait, Scenery, Low light, Food, Party, Candle light, Sunset, Beach, Snow, Aerial, High Sensitivity, Pin hole, Film grain, High Dynamic and Underwater), capturing beautiful movies is effortless with the ZR3.

The optional marine case (DMW-MCZX3) is available for underwater photography even to 40m taking advantage of 25mm to 200mm wide shooting range.

In addition to the conventional SD/SDHC Memory Card, the DMC-ZR3 accepts next-generation SD format SDXC (SD eXtended Capacity), that features high potential in both capacity and data transfer speed. The DMC-ZR3 is compatible with Windows 7.

About Included Software PHOTOfunSTUDIO 5.0 HD Edition

The latest version of exciting software PHOTOfunSTUDIO 5.0 HD Edition comes bundled with DMC-ZR3. With quick start-up and fast read-in of images, the PHOTOfunSTUDIO 5.0 HD Edition makes it possible to sort and organize photos not only of those newly taken but also of those stored in your PC.

The Face Recognition function that recognizes the faces in the picture to automatically sort the photos by the registered faces without picking out each photo one by one when you only want pictures of a specific person. You can also enjoy slideshows with a variety of effects and use your iTunes music library as background music and burn it onto a DVD disc in MPEG2. Motion pictures can be uploaded directly to YouTube using the built-in YouTube uploader even in HD (High Definition) quality. It also lets you create a 360-degree rotation panorama file in MOV, which is especially easy if Panorama Assist mode in the camera is used. The software is of course compatible with the Windows 7.

Experience and feel the outstanding benefit of the PHOTOfunSTUDIO 5.0 HD Edition. It will surely allow you to view, edit and archive your captured photos and motion pictures with greater ease and fun.

*Leica is a registered trademark of Leica Microsystems IR GmbH.

*The LEICA DC VARIO-ELMAR lenses are manufactured using measurement instruments and quality assurance systems that have been certified by Leica Camera AG based on the company's quality standards.

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*Dolby and the double-D symbol are trademarks of Dolby Laboratories.

*HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC.

*YouTube is a trademark of Google Inc.

*All other company and product names are trademarks of their respective corporations.

*Some accessories are not available in some countries.

*The use of recorded or printed materials that are protected by copyright for any purpose other than personal enjoyment is prohibited, as it would infringe upon the rights of the copyright holder.

*Design and specifications are subject to change without notice.

DMC-ZR3 Specifications

Silver, Black, Red, and Gold

Metrics	Dimensions (W x H x D)	97.8 x 54.8 x 26.0 mm (3.85 x 2.15 x 1.02 in)	
	Weight	Approx. 159g with Battery and SD Memory Card (0.35 lb) Approx. 137g without Battery and SD Memory Card (0.30 lb)	
Optics	Pixels	Camera Effective Pixels 14.1 Megapixels	
	CCD	Sensor Size / Total Pixels / Filter 1/2.33-inch / 14.5 Total Megapixels / Primary Color Filter	
	Lens	Aperture	F3.3 - 5.9/ 2-Step (F3.3 - 10 (W) / F5.9 - 18 (T))
		Optical Zoom	8x
		Focal Length	f=4.5-36mm (25-200mm in 35mm equiv.)
		Extra Optical Zoom (EZ)	11.3x (4:3 / 7M), 13.5x (4:3 / 5M), 16.9x (under 3M)
		Intelligent Zoom	10x
		Lens	LEICA DC VARIO-ELMAR 9 elements in 7 groups (4 Aspherical Lenses / 6 Aspherical surfaces)
		Optical Image Stabilizer	Power O.I.S. (Off / Auto / Mode1 / Mode2)
		Digital Zoom	4x (Max. 32.0 x combined with Optical Zoom without Extra Optical Zoom) (Max. 67.5x combined with Extra Optical Zoom)
	Focus	Focusing Area	Normal: Wide 50 cm - infinity / Tele 200 cm - infinity Macro / Intelligent AUTO / Clipboard : Wide 3 cm - infinity / Tele 100cm - infinity
		Focus Range Display	Yes
		AF Assist Lamp	Yes
	Focus	Normal / Macro, Zoom Macro, Quick AF On/Off (On in Intelligent Auto),	

		Continuous AF On/Off, AF Tracking		
Shutter	AF Metering	Face / AF Tracking / 11pt / 1pt HS / 1pt / Spot		
	Shutter Speed	Still: 8 - 1/2000 sec Starry Sky Mode : 15, 30, 60sec.		
	Shutter Interval	approx. 1.0 sec		
Recording	iA	Face Recognition	Photo	
		Optical Image Stabilizer	Photo & Movie	
		Intelligent ISO Control	Photo	
		Face Detection	Photo & Movie	
		Intelligent Scene Selector	Photo (Portrait, Scenery, Night Portrait, Night Scenery, Sunset, Macro) & Movie (Portrait, Scenery, Low Light, Macro)	
		Intelligent Exposure	Photo & Movie	
		AF Tracking	Photo	
		Digital Red Eye Correction (Red-eye Removal)	Photo	
		Intelligent Resolution Technology	Photo & Movie	
		File	File Format	Still Image: JPEG(DCF/Exif2.21) Image with Audio: JPEG (DCF / Exif2.21) + QuickTime, Motion picture: AVCHD Lite / QuickTime Motion JPEG
			AVCHD Lite REC	NTSC / PAL (Depends on Region)
		Interface	Mode Switch	[Recording] / [Playback]
			One-Touch Movie Button	Yes
		Recording Modes	Mode Dial / Mode Button	Intelligent Auto, Normal Picture, SCN, My SCN 1, My SCN 2, Clipboard
			Still Image Scene Mode	Portrait, Soft Skin, Transform, Self-Portrait, Scenery, Panorama Assist, 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, Pinhole, Film Grain, High Dynamic(Standard, Art, B&W), Photo Frame, Underwater
		Movie Scene Mode	Portrait, Soft Skin, Transform, Self-Portrait, Scenery, Low Light, Food, Party,	

		Candle Light, Sunset, Beach, Snow, Aerial, Pinhole, Film Grain, Underwater, High Sensitivity, High Dynamic(Standard, Art, B&W) (Activated by selecting Still Picture Scene Mode then pressing movie button. Still Picture Scene Modes without corresponding Movie Scene Mode is recorded in Normal Mode)
	Continuous Shooting Mode	Full-Resolution Image, 1.8 frames/sec Max. 5 images (Standard mode), Max 3 images (Fine Mode) High-speed Burst Mode: approx. 6.0 frames/sec (image priority) approx. 10 frames/sec (speed priority) (recorded in 3M for 4:3, 2.5M for 3:2, 2M for 16:9)
	Flash Burst Continuous Shooting Mode	Max. 5 images (Standard mode)
	Motion Picture Recording	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) HD Movie 1280x720 pixels, NTSC Mode: NTSC model: 60p(CCD output is 30p) / PAL model: 50p(CCD output is 25p) (AVCHD Lite, SH: 17Mbps / H:13Mbps / L:9Mbps) / 30fps (Motion JPEG)
Continuous recordable time(motion pictures)	AVCHD Lite with picture quality set to [SH]	Approx. 110 min*2
	MOTION JPEG with picture quality set to [HD]	Approx. 110 min*2
Actual recordable time(motion pictures)	AVCHD Lite with picture quality set to [SH]	Approx. 55 min*2
	MOTION JPEG with picture quality set to [HD]	Approx. 55 min*2
Exposure Parameters	Exposure	Program AE
	Exposure Compensation	1/3 EV step, +/-2 EV
	Backlight Compensation	Yes (only in Intelligent AUTO mode)
	Auto (AE) Bracketing	+/- 1/3 EV ~1EV step, 3 frames

Image Parameters	Light Metering	Intelligent Multiple	
	ISO Sensitivity	Auto / 80 / 100 / 200 / 400 / 800 / 1600 High Sensitivity (ISO 1600-6400)	
	Aspect Ratio	4:3 / 3:2 / 16:9	
	Still Picture Recording	4:3 4320x3240(14M) / 3648x2736(10M) / 3072x2304(7M) / 2560x1920(5M) / 2048x1536(3M) / 640x480(0.3M) 3:2 4320x2880 (12.5M) / 3648x2432 (9M) / 3072x2048 (6M) / 2560x1712 (4.5M) / 2048x1360 (2.5M) / 640x424 (0.3M) 16:9 4320x2432 (10.5M) / 3648x2056 (7.5M) / 3072x1728 (5.5M) / 2560x1440 (3.5M) / 1920x1080 (2M) / 640x360 (0.2M)	
	Image Quality	Fine / Standard	
	White Balance	Auto / Daylight / Cloudy / Shade / Halogen / White Set (Selectable at Portrait, Soft Skin, Transform, Self-Portrait, Panorama Assist, Sports, Baby, Pet, High Sensitivity, Highspeed Burst, Pinhole, Photo Frame, High Dynamic)	
	Quick Menu	Yes	
	Color Mode / Color Effect	Standard, Vivid, Natural, Black & White, Sepia, Cool, Warm, Happy (only in iA Mode)	
	Others	Still Image with Audio Recording	5 sec
		Real-time histogram	Yes
Composition Guide line		Yes (2 pattern)	
Auto Review		1sec, 2sec, Hold	
Optical Zoom in Motion Picture		Yes	
Macro Zoom		Yes	
Orientation Detector		Yes	
Scene Mode Help Screen	Yes		

		Self Timer	2sec / 10sec
		Focus Icon Select	Yes (in Face Recognition only)
Playback	Display	Playback Mode	Normal Playback, Slideshow, Category Playback, Travel Playback, Mode Playback, Favorites Playback
		Thumbnails / Zoomed Playback	12,30-thumbnails / Max 16x
		Calendar Display /	Yes
		Set Favorites	Yes
		Playback Still Images with Audio	Yes
		Playback Motion Picture	Yes (AVC HD Lite / Motion JPEG)
		Slideshow Mode	All / Still Images Only / Motion Picture Only / Travel / Category / Favorites BGM Effect (Natural / Slow / Swing / Urban / OFF)
		Show Histogram	Yes
		Delete	Delete Image
	DPOF Print Setting / Set Protection		Yes / Yes
	Edit		Resize / Trim / Leveling
		Copy / Title Edit / Text Stamp	Yes / Yes / Yes
		Cut Animation	Yes
		Video Divide	Yes
		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	
	Movie REC Guide	Yes	
	Wind-Cut in Motion Picture	Yes	
	Travel Date / World Time	Yes / Yes	
Others	Monitor	LCD Monitor	2.7" TFT Screen LCD Display (230K dots)

		Field of View : approx. 100% Wide Viewing Angle AUTO Power LCD mode, Power LCD mode
Flash	Built-in-Flash	Auto, Auto/Red-eye Reduction, Forced On, Slow Sync./Red-eye Reduction, Forced Off 0.6 - 5.3m (Wide/ISO Auto), 1.0 - 2.9m (Tele/ISO Auto)
Media	Recording Media	Built-in Memory, SD Memory Card, SDHC Memory Card, SDXC Memory Card
	Built-in-Memory	Approx. 40MB
Audio	Microphone / Speaker	Mono / Yes
Interface	Interface	AV Output (NTSC/PAL, NTSC only for N. America), mini HDMI, USB2.0 High speed
	Viera Link	Yes
Network	HDMI output	Video: Auto / 1080i / 720p / 480p(576p for PAL) Audio: Dolby® Digital Creator
	Power	ID-Security Li-ion Battery Pack (3.6V, Minimum: 895mAh) (Included) AC Adaptor (Input: 110-240V AC) (Optional)
	Battery Life (approx.)	330 pictures (CIPA Standard)*1
Standard Package	Included Software	PHOTOfunSTUDIO 5.0 HD Edition, QuickTime, Adobe Reader
	Standard Accessories	Battery Charger, Battery Pack, Battery Case, AV cable, USB Cable, Hand Strap, CD-ROM

Note:

*1

Recording conditions by CIPA standard

- CIPA is an abbreviation of [Camera & Imaging Products Association].
- Temperature: 23 oC (73.4 oF)/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.

*2

- These are standard times taken at a temperature of 23 oC (73.4 oF) 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.
- Motion picture recorded continuously in [MOTION JPEG] is up to 2 GB. Only the maximum recordable time for 2 GB is displayed on the screen.
- Motion pictures can be recorded continuously for up to 29 minutes 59 seconds in European PAL area.

About Panasonic Malaysia Sdn Bhd

Panasonic Malaysia Sdn Bhd is a sales, service and marketing company for the Panasonic brand of electrical and electronic products ranging from audio visuals, home appliances, air conditioners, digital and video cameras, professional broadcasting equipment, business systems, telecommunications, health and beauty care to batteries and lightings. All Panasonic products are available through our authorized dealers nationwide. For more information on Panasonic brand and products, visit our website at www.panasonic.com.my or call our Customer Care Center at 03-5543 7600.

For press members, download press release and photos at www.pmpressroom.com

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