

2010 LUMIX® FH1 FH3 DIGITAL CAMERA



FH1



FH3

28MM WIDE LENS WITH 5X OPTICAL ZOOM

Enjoy the benefits of a wide angle lens without giving up the performance of a zoom.



INTELLIGENT AUTO WITH MEGA O.I.S.

Automatically adjusts to ensure great photos under any condition.



SONIC SPEED AF

Lightning fast focus for capturing the action as it is taking place.



- 14.1 Megapixel (FH3)
- 12.1 Megapixel (FH1)
- Intelligent Scene Selector
- MEGA O.I.S. (Optical Image Stabilizer)
- Face Detection
- Auto Backlight Compensation
- HD Movie Recording

Panasonic LUMIX®



2010 LUMIX® FH1/FH3 Digital Camera Specifications

METRICS		DMC-FH1/FS10		DMC-FH3/FS11	
Dimensions (W x H x D)		98.4 x 55.2 x 23.4 mm / excl. protrusions: 20.7 mm, (3.87 x 2.17 x 0.92 in / excl. protrusions: 0.81 in)		98.4 x 55.2 x 24.0 mm / excl. protrusions: 21.3 mm, (3.87 x 2.17 x 0.94 in / excl. protrusions: 0.84 in)	
Weight		Approx. 145g with Battery and SD Memory Card (0.32 lb); Approx. 123g without Battery and SD Memory Card (0.27 lb)		Approx. 147g with Battery and SD Memory Card (0.32 lb); Approx. 125g without Battery and SD Memory Card (0.27 lb)	
OPTICS	Pixels	12.1 Megapixels		14.1 Megapixels	
	CCD	Sensor Size / Total Pixels / Filter		Sensor Size / Total Pixels / Filter	
	Lens	1/2.33-inch / 12.7 Total Megapixels / Primary Color Filter		1/2.33-inch / 14.5 Total Megapixels / Primary Color Filter	
	Aperture	F2.8-6.9/2-Step (F2.8-9 [W]/F6.9-20 [T])		F2.8-6.9/2-Step (F2.8-9 [W]/F6.9-20 [T])	
	Optical Zoom	5x		5x	
	Focal Length	f=5-25mm (28-140mm in 35mm equiv.)		f=5-25mm (28-140mm in 35mm equiv.)	
	Extra Optical Zoom (EZ)	6.1x(4.3 / 8M), 7.8x (4.3 / 5M), 9.5x(under 3M)		5.9x (4.3 / 10M), 8.4x (4.3 / 5M), 10.5x(under 3M)	
	Intelligent Zoom	-		-	
	Lens	LUMIX DC VARIO; 6 elements in 5 groups; (3 Aspherical Lenses / 5 Aspherical Surfaces)		LUMIX DC VARIO; 6 elements in 5 groups; (3 Aspherical Lenses / 5 Aspherical Surfaces)	
	2-Speed Zoom	-		-	
	Optical Image Stabilizer	MEGA O.I.S. (Off / Auto / Mode1 / Mode2)		MEGA O.I.S. (Off / Auto / Mode1 / Mode2)	
	Conversion Lens Compatibility	4x		4x	
	Digital Zoom	(Max. 20.0 x combined with Optical Zoom without Extra Optical Zoom); (Max. 39.2 x combined with Extra Optical Zoom)		(Max. 20.0 x combined with Optical Zoom without Extra Optical Zoom); (Max. 42.0 x combined with Extra Optical Zoom)	
	Focus	Normal: Wide 50 cm - infinity / Tele 100 cm - infinity; Macro / Intelligent AUTO : Wide 5 cm - infinity / Tele 100cm - infinity		Normal: Wide 50 cm - infinity / Tele 100 cm - infinity; Macro / Intelligent AUTO : Wide 5 cm - infinity / Tele 100cm - infinity	
RECORDING	Finder	Viewfinder		Viewfinder	
	IA	Face Recognition		Face Recognition	
		Optical Image Stabilizer		Optical Image Stabilizer	
		Intelligent ISO Control		Intelligent ISO Control	
		Face Detection		Face Detection	
		Intelligent Scene Selector		Intelligent Scene Selector	
		Intelligent Exposure		Intelligent Exposure	
		AF Tracking		AF Tracking	
		Digital Red-Eye Correction (Red-Eye Removal)		Digital Red-Eye Correction (Red-Eye Removal)	
		IA Direct Button		IA Direct Button	
		Intelligent Resolution Technology		Intelligent Resolution Technology	
	File	Still Image: JPEG(DCF/Exif2.21); Motion picture: QuickTime Motion JPEG		Still Image: JPEG(DCF/Exif2.21); Motion picture: QuickTime Motion JPEG	
		File Format		File Format	
	Interface	Mode Switch		Mode Switch	
PLAYBACK	Recording Modes	Intelligent AUTO, Normal Picture, SCN, My SCN, Motion Picture		Intelligent AUTO, Normal Picture, SCN, My SCN, Motion Picture	
		Portrait, Soft Skin, Transform, 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, Film Grain, Photo Frame		Portrait, Soft Skin, Transform, 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, Film Grain, Photo Frame	
		Movie Scene Mode		Movie Scene Mode	
		Continuous Shooting Mode		Continuous Shooting Mode	
		Unlimited Consecutive Shooting		Unlimited Consecutive Shooting	
		Flash Burst Continuous Shooting Mode		Flash Burst Continuous Shooting Mode	
		Motion Picture Recording		Motion Picture Recording	
		HD Movie		HD Movie	
		AVCHD Lite with Picture Quality Set to [SH]		AVCHD Lite with Picture Quality Set to [SH]	
		MOTION JPEG with Picture Quality Set to [HD]		MOTION JPEG with Picture Quality Set to [HD]	
		AVCHD Lite with Picture Quality Set to [SH]		AVCHD Lite with Picture Quality Set to [SH]	
		MOTION JPEG with Picture Quality Set to [HD]		MOTION JPEG with Picture Quality Set to [HD]	
	Exposure Parameters	Program AE		Program AE	
		Exposure Compensation		Exposure Compensation	
		Backlight Compensation		Backlight Compensation	
OTHERS	Image Parameters	Aspect Ratio		Aspect Ratio	
		Still Picture Recording		Still Picture Recording	
		Image Quality		Image Quality	
		White Balance		White Balance	
		Quick Menu		Quick Menu	
		Color Mode/Color Effect		Color Mode/Color Effect	
		Picture Adjustment		Picture Adjustment	
		Still Image with Audio Recording		Still Image with Audio Recording	
		GPS		GPS	
		Flip Animation		Flip Animation	
		Real-Time Histogram		Real-Time Histogram	
		Composition Guideline		Composition Guideline	
		Auto Review		Auto Review	
		Easy Zoom/Zoom Resume		Easy Zoom/Zoom Resume	
		Optical Zoom in Motion Picture		Optical Zoom in Motion Picture	
SETUP	Display	Normal Playback, Slideshow, Category Playback, Favorites Playback		Normal Playback, Slideshow, Category Playback, Favorites Playback	
		Thumbnails/Zoomed Playback		Thumbnails/Zoomed Playback	
		Calendar Display/Dual-Image Playback		Calendar Display/Dual-Image Playback	
		Set Favorites/Rotate Image		Set Favorites/Rotate Image	
		Playback Still Images with Audio		Playback Still Images with Audio	
		Playback Motion Picture		Playback Motion Picture	
		Slideshow Mode		Slideshow Mode	
		Show Histogram		Show Histogram	
		Show Highlights		Show Highlights	
	Delete	Delete Image		Delete Image	
		DPOF Print Setting/Set Protection		DPOF Print Setting/Set Protection	
		Resize/Trim/Aspect Conv./Leveling		Resize/Trim/Aspect Conv./Leveling	
	Edit	Copy/Title Edit/Text Stamp		Copy/Title Edit/Text Stamp	
		Out Animation		Out Animation	
		Video Divide		Video Divide	
OTHERS	Monitor	LCD Monitor		LCD Monitor	
		Touch Panel		Touch Panel	
	Tough	Waterproof		Waterproof	
		Dustproof		Dustproof	
		Freezeproof		Freezeproof	
		Shockproof		Shockproof	
	Flash	Built-in Flash		Built-in Flash	
		External Flash		External Flash	
	Media	Recording Media		Recording Media	
		Built-in Memory		Built-in Memory	
		Microphone/Speaker		Microphone/Speaker	
	Audio	Interface		Interface	
	Interface	Viera Link™		Viera Link™	
	Network	HDMI Output		HDMI Output	
	Power	Power		Power	
		Battery Life (approx.)		Battery Life (approx.)	
	Standard Package	Included Software		Included Software	
		Standard Accessories		Standard Accessories	

NOTE:

** Recording conditions by CIPA standard.

* 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.

* Reducing 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.

* 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.

* 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 15 minutes in European PAL area.