

# 2010 LUMIX® LX3 DIGITAL CAMERA



## **F2.0 24MM WIDE LEICA DC VARIO-SUMMICRON LENS**

Easily fit subjects in the frame even when the distance is limited.



## **INTELLIGENT AUTO MODE AND FULL MANUAL CONTROLS**

Automatically adjusts to ensure great photos under any condition.

## **HIGH SENSITIVITY**

Capture great photos under any lighting condition.

- 10.1 Megapixels
- Hot Shoe
- Mega O.I.S.
- HD Motion Images and HD Output
- Multiple Film Modes
- Shoots in Raw

**Panasonic** LUMIX®

# 2010 LUMIX® LX3 Digital Camera Specifications

		LX3		
METRICS	Dimensions (W x H x D)	108.7 x 59.5 x 27.1 mm (4.28 x 2.34 x 1.07 inch) (Not including protruding parts)		
	Weight	229g (0.50 lb); 265g (0.58 lb) with Battery and SD Memory Card		
	Pixels	Camera Effective Pixels	10.1 Megapixels	
	ISO	Sensor Size/Total Pixels/Filter	1/1.63" 11.3 Mega Total Pixels CCD, Primary Color Filter	
	OPTICS	Lens	Aperture	Wide: F2.0 - F8.0 Tele: F2.8 - F8.0
			Optical Zoom	2.5x
			Focal Length	f = 5.1-12.8 mm (35 mm Equivalent: 24-60mm)
			Extra Optical Zoom (EZ)	4.3 Aspect: 3.0x for 7 Mega, 3.6x for 5 Mega, 4.5x for 3.0 / 2.0 / 0.3 Mega, 3.2 Aspect: 0.3x for 6.5 Mega, 3.6x for 4.5 Mega, 4.5x for 3.0 / 2.5 Mega; 16:9 Aspect: 3.0x for 6 Mega, 3.6x for 4.5 Mega, 4.5x for 2.5 / 2.0 Mega 1:1 Aspect: 3.0x for 5.5 Mega, 3.6x for 3.5 Mega, 4.5x for 2.5 Mega (Firmware must be updated to the latest version 2.1)
		Intelligent Zoom	—	
		Lens	LEICA DC VARIO-SUMMICRON; 6 elements in 6 groups; (4 Aspherical lenses/4 Aspherical surfaces)	
	2-Speed Zoom	—		
	Optical Image Stabilizer	MEGA O.I.S. (Auto/Mode1/Mode2)		
	Conversion Lens Compatibility	Yes		
Focus	Digital Zoom	4x (Max. 10.0x combined with Optical Zoom without Extra Optical Zoom) (Max. 17.9x combined with Extra Optical Zoom)		
	Focusing Area	Normal: Wide 50 cm (1.64 feet)/Tele 50 cm (1.64 feet) - infinity Intelligent AUTO/Macro: Wide 1cm (0.03 feet)/Tele 30cm (0.98 feet) - infinity		
	Focus Range Display	—		
	AF Assist Lamp	Yes		
Shutter	Shutter Speed	P: 1-1/2,000 sec (Selectable minimum shutter speed); A/S: 8-1/2,000 sec, M: 60-1/2,000 sec; Shutter Sky Mode: 15, 30, 60 sec		
	Shutter Interval	0.8 sec		
Finder	Viewfinder	External OVF. (Optional)		
RECORDING	IA	Face Recognition	—	
		Optical Image Stabilizer	MEGA O.I.S. (Auto/Mode1/Mode2)	
		Intelligent ISO Control	Auto/80/100/200/400/800/1600/3200 High Sensitivity Mode: Auto (1600-6400)	
		Face Detection	Yes	
		Intelligent Scene Selector	—	
		Intelligent Exposure	Off/Low/Standard/High	
		AF Tracking	Yes	
		Digital Red Eye Correction (Red-Eye Removal)	Yes	
		IA Direct Button	—	
		Intelligent Resolution Technology	—	
	File	File Format	Still Image: JPEG (Design rule for Camera File system, based on Exif 2.21 standard), RAW, DPOF corresponding; Image with audio: JPEG (Design rule for Camera File system, based on Exif 2.21 standard)+ QuickTime; Motion Images: QuickTime Motion JPEG	
		AVCHD Lite REC	—	
	Interface	Mode Switch	—	
		One-Touch Movie Button	—	
	Recording Modes	Movie Dual/Mode Button	Intelligent AUTO, P(Program) Mode, A(Aperture Priority) Mode, S(Shutter Priority) Mode, M(Manual) Mode, Motion Picture, Custom1, Custom2, Scene Mode	
		Still Image Scene Mode	Dial: Portrait, Soft Skin, Scenery, Sports, Night Portrait, Night Scenery, Self-Portrait, Food, Party, Candle Light, Fireworks, Starry Sky, Beach, Aerial Photo, Snow, High Sensitivity, Baby1, Baby2, Sunset, Pet, Hi-speed Burst, Flash-Burst, Film Grain, Pin Hole, High Dynamic (Standard, Art, B&W)	
		Movie Scene Mode	Standard, Dynamic, Natural, Smooth, Vibrant, Nostalgic, WB/Standard, WB/Dynamic, WB/Smooth, My Film1, My Film2, Multi Film	
		Continuous Shooting Mode	—	
	Unlimited consecutive shooting	Flash Burst Continuous Shooting Mode	Yes	
			Full-Resolution Image: 2.5 frames/sec; Max. 8 images (Standard Mode)/Max. 4 images (Fine Mode)/Max. 3 images (RAW); Hi-speed Burst Mode: approx. 6 frames/sec (recorded in 3M for 4:3, 2.5M for 3:2, 2M for 16:9, 2.5M for 1:1) Approx. 35 shots when using the built-in memory; Approx. 35 - 100 shots when using an SD/SDHC Memory Card; *Maximum is 100 shots. • The recording resolution is selected from 3 megapixels (4:3), 2.5 megapixels (3:2), 2 megapixels (16:9) or 2.5 megapixels (1:1). • The number of consecutive shots is limited by the shooting conditions, card type, and card condition. • The number of consecutive shots may increase immediately after the card is formatted.	
Continuous recordable time (motion pictures)	AVCHD Lite with picture quality set to [SH]	4:3 Aspect Ratio: 640 x 480 pixels 30 fps, 320 x 240 pixels 30 fps, 10 fps; 16:9 Aspect Ratio: 848 x 480 pixels 30 fps; HD (16:9 Aspect Ratio): 1,280 x 720 pixels 24 fps; (Max. recording time depends on Memory Card Capacity, Max. 2GB for a motion picture.) Creating still pictures from a motion picture		
	MOTION JPEG with picture quality set to [HD]	—		
Actual recordable time (motion pictures)	AVCHD Lite with picture quality set to [SH]	—		
	MOTION JPEG with picture quality set to [HD]	—		
Exposure Parameters	Exposure	Program AE, Aperture Priority AE, Shutter Priority AE, Manual, Program Shift (Program AE Mode)		
	Exposure Compensation	1/3 EV step, -2 - +2 EV; 1/3 EV step, -3 - +3 EV (Firmware must be updated to the latest version 2.1)		
	Backlight Compensation	Yes (auto in Intelligent AUTO Mode)		
	Auto (AE) Bracketing	± 1/3 EV -1 step, 3 frames; ± 1/3 EV -3 step, 3 frames; Firmware must be updated to the latest version 2.1.		
Image Parameters	Multi-Aspect	Yes (except for the 1:1 aspect ratio)		
	Light Metering	Intelligent Multiple/Center Weighted/Spot		
	ISO Sensitivity	Auto/80/100/200/400/800/1600/3200 High Sensitivity Mode: Auto (1600-6400)		
	Max Auto ISO Setting	High Sensitivity Mode: Auto (1600-6400)		
Others	Aspect Ratio	—		
	Still Picture Recording	4:3 Aspect: 3,648 x 2,736 pixels, 3,072 x 2,304 pixels, 2,560 x 1,920 pixels, 2,048 x 1,536 pixels, 1,600 x 1,200 pixels, 640 x 480 pixels; 3:2 Aspect: 3,776 x 2,520 pixels, 3,168 x 2,112 pixels, 2,656 x 1,768 pixels, 2,112 x 1,408 pixels, 2,048 x 1,360 pixels; 16:9 Aspect: 3,968 x 2,232 pixels, 3,328 x 1,872 pixels, 2,784 x 1,568 pixels, 2,208 x 1,248 pixels, 1,920 x 1,080 pixels; 1:1 Aspect Ratio: 2,736 x 2,736 pixels, 2,304 x 2,304 pixels, 1,920 x 1,920 pixels, 1,536 x 1,536 pixels; (35 mm Equivalent: 28-70 mm)		
	Image Quality	Fine/Standard/RAW/RAW+Standard JPEG/RAW+Fine JPEG		
	White Balance	Auto/Daylight/Cloudy/Shadow/Halogen/Color Temperature/Flash/White Set 1/White Set 2 (Selectable at Portrait, Soft Skin, Self-Portrait, Sports, Baby1, Baby2, Pet, High Sensitivity, Hi-speed Burst, Pin Hole Modes); White Balance Adjustment (2-axis adjustable, ± 9 steps each, Blue / Amber and Magenta / Green bias)*		
	Quick Menu	—		
	Color Mode / Color Effect	—		
	Picture Adjustment	Contrast: ± 2 steps; Sharpness: ± 2 steps; Saturation: ± 2 steps; Noise Reduction: ± 2 steps; (can be adjusted in Film Mode)		
	Still Image with Audio Recording	5 sec.		
	GPS	—		
	Flip Animation	Yes		
Real-time histogram	Yes			
Composition Guide line	Yes (2 patterns/3 patterns); Firmware must be updated to the latest version 2.1.			
Auto Review	1 sec./2 sec./Zoom/Hold			
Easy Zoom/Zoom Resume	Yes			
Optical Zoom in Motion Picture	—			
Macro Zoom	—			
Orientation Detector	—			
Scene Mode Help Screen	Yes			
Self Timer	2 sec./10 sec.			
Focus icon Select	—			
PLAYBACK	Display	[REC]/[Play] Selector switch; 30 - thumbnail display, 12 - thumbnail display, Calendar display, Zoomed playback (16x Max.), Playback of favorite pictures, Category Playback (playback and slideshow of pictures in category), Slideshow (duration & effect with music is selectable), Image rotation, Resizing (selectable number of pixels), Trimming, Protection, Aspect conversion, DPOF print setting, Creating still pictures from a motion picture, Dual image playback, Enlarge focus area, Image leveling		
	Thumbnail/Zoomed Playback	—		
	Calendar Display/Dual-Image Playback	—		
	Set Favorites/Rotate Image	—		
	Playback Still Images with Audio	—		
	Playback Motion Picture	—		
	Slideshow Mode	—		
	Show Histogram	—		
	Show Highlights	—		
	Delete	Delete Image		
Edit	DPOF Print Setting / Set Protection	—		
	Resize/Trim/Aspect Conv./Leveling	—		
Copy/Title Edit/Text Stamp	Yes			
Out Animation	—			
Video Divide	—			
PicBridge Support	—			
SETUP	OSD language	English/Spanish		
	Movie REC Guide	—		
	Wind-Out in Motion Picture	—		
	Travel Date/World Time	Yes		
OTHERS	Monitor	LCD Monitor 3.0"/3.2" Polycrystalline TFT LCD (460,000 dots) Field of View : approx. 100% AUTO Power LCD Mode, Power LCD Mode		
	Touch Panel	—		
	Tough	Water Proof		
		Dust Proof		
		Freeze Proof		
		Shock Proof		
	Flash	Auto, Auto/Red-eye Reduction, Forced On, Slow Sync./Red-eye Reduction, Forced Off; Flash Sync: 1st/2nd Flash Output Adjustment (1/3 EV step, -2 - +2 EV); 0.8-8.3 m (Wide/Macro/ISO Auto), 0.3-5.9 m (Tele/ISO Auto) High Sensitivity Mode: 1.15-21.2m (Wide)/0.9-15.1m (Tele)		
	Media	Recording Media Built-in Memory, SD Memory Card, SDHC Memory Card, MultiMediaCard (Still image only)		
	Audio	Built-in Memory 50 MB		
	Interface	Microphone / Speaker Yes		
Network	Interface DC Input, AV Output (NTSC, HD AV Output (Component), USB2.0 High speed)			
Power	Viera Link —			
	HDMI output —			
Standard Package	Power Li-ion Battery Pack (3.7 V, Typical: 1,150 mAh/Minimum: 1,090 mAh) (Included) AC Adaptor (Input: 110-240 V AC) (Optional)* Battery Life (approx.) 380 pictures (CIPA Standard)** Included Software PHOTOSTUDIO viewer: 2.1 E, SILKYPIX Developer Studio 3.0 SE, ArcSoft MediaImpression, ArcSoft Panorama Maker, QuickTime, USB Driver Standard Accessories Battery Charger, Battery Pack, Battery Carrying Case, Lens Cap, Lens Cap Strap, AV Cable, USB Connection Cable, AC Cable, Shoulder Strap, CD-ROM			

NOTE:  
 \* 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.  
 \*\* Recording conditions by CIPA standard  
 • 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.