



Simple and cute, the smallest PEN - E-PM1.

The PEN mini E-PM1 has premium quality image producing capabilities packed into an ultracompact body that you can take anywhere. With Live Guide, six Art Filters, and six body color variations, the E-PM1 is the product of the pursuit of simplicity and stylishness.

[News Release](#)

Basic Performance

Lens mount	Micro Four Thirds Mount
Effective Pixels number	12.3 million pixels
File format	RAW, JPEG, RAW+JPEG, MP (3D still)
Image Stabilizer	Built in (Imager shift image stabilizer)
Monitor	3.0-inch widescreen LCD

Movie recording

AVCHD / AVI Motion JPG



PEN QUALITY

- Ultrafast AF based on the latest technology
- 5.5 fps high-speed sequential shooting
- Versatile AF functions increase your photographic comfort zone
- New 12.3-megapixel Live MOS Sensor
- New image processing engine supporting high image quality and fast response



OPERATION

- Live Guide and Menu Guide for friendly guidance of SLR photography
- Simple and new, Stripe Screen control system
- Good-looking, sophisticated user interface
- FL-LM1 High-Capability Removable Flash



ART FILTER

- Art Filters for addition of real creative expressions in pictures
- Art Filter Bracketing



Various function

- Full HD movie
- Built-in image stabilization
- Accessory Port 2
- Face and Eye detection AF/Tracking AF
- e-Portrait
- i-ENHANCE
- Multi-Aspect
- 3D Photo Shooting
- One-push digital teleconverter
- Multi-Exposure
- New slideshow effects
- Notes:
 - The photo is for illustrative purposes only.
 - Product availability depends on sales areas.
 - Color availability depends on sales areas.

• Compact Digital Cameras

0 CREATOR - X seriesXZ-1TOUGH seriesTG-620TRAVELER - S seriesSZ-31MRSZ-14SMART - V seriesVR-350VG-170VG-150AccessoriesElectronic FlashesConversion LensBattery / Power SupplyUnderwater CasesOther AccessoriesSoftwareArchived ProductsProduct ComparisonOLYMPUS E-SYSTEM

0 Four Thirds series

- E-5E-3E-30E-620E-520E-510E-450E-420E-410OLYMPUS OM-D
- E-M5OLYMPUS PEN
- E-P3
- E-P2
- E-P1
- E-PL3
- E-PL2
- E-PL1
- **E-PM1**

0 ZUIKO DIGITAL Lenses

- SUPER HIGH GRADEHIGH GRADESTANDARDLens Group AccessoriesM.ZUIKO DIGITAL Lenses
- 0 Accessories

- Electronic Flashes Battery / Power Supply Camera Case / Strap Underwater Cases Optical Accessories Other Accessories Software Archived Products
- 0 Product Comparison
- Voice Recorders
- 0 Linear PCM Recorder LS-20MLS-11LS-3 Professional Dictation DS-5000iD/DS-5000 Digital Recorders DM-5DM-650DM-550DM-450WS-760MWS-750MWS-650SVN-8600PCVN-8500PCVN-7700 Accessories Microphone / Earphone For Transcription Battery / Power Supply Other Archived Products Binoculars
- 0 All Weather EX WP I series WP I series Standard EX PS I series DPS I series PC I series Compact RC II series RC I series DPC I series Accessories
- 0 Compact Digital Cameras OLYMPUS E-SYSTEM Voice Recorders Software [ib] OLYMPUS Master 2 Awards



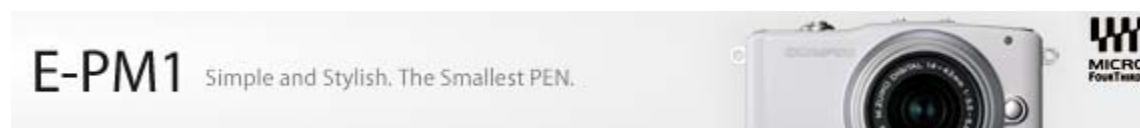
Authorised Retailers

- Authorised Retailers

Customer Support

- Manuals
- Q&A
- Compatibility Tables
- Download

Customer
Service Center
1800-6596787



PEN QUALITY | [OPERATION](#) | [ART FILTER](#) | [Various Function](#)

PEN QUALITY

Ultrafast AF based on the latest technology



Life is full of photo opportunities. If you carry a camera with you at all times, you'll have a chance to capture each and every one of them. To achieve ultrafast AF, the E-PM1 incorporates the same Fast AF System, new 12.3-megapixel High Speed Live MOS Sensor and TruePic VI image processing engine as the E-P3. Now you will be able to preserve those special moments that capture your imagination in a way you'll never forget.

[Function simulator : FAST AF system](#)

5.5 fps high-speed sequential shooting



The E-PM1 also boasts high-performance sequential shooting capability. It incorporates a newly developed compact high-speed shutter mechanism^{*1} specially designed to deliver high performance in a compact body. This has resulted in an improved sequential shooting rate of 5.5 frames per second^{*2}.

- *1 When the power is turned ON, the shutter operation sound is generated for initialization of the shutter mechanism.
- *2 When the image stabilization is OFF in the S-AF (MF) mode; 4.1 fps when the image stabilization is ON.

Versatile AF functions increase your photographic comfort zone

The 35-area AF has 35 focus selection areas, compared to 11 points on previous models, enabling detailed, pinpoint AF across a wider area than before. Other functions for improving AF versatility include the “group area AF”, which selects an area composed of 3 x 3 points from the 35 points to capture a fast-moving subject accurately, as well as the “fulltime AF function”, which keeps the Live View image focused even when the release button is not pressed, enabling quick tracking of a moving subject.



The 35-area AF

New 12.3-megapixel Live MOS Sensor

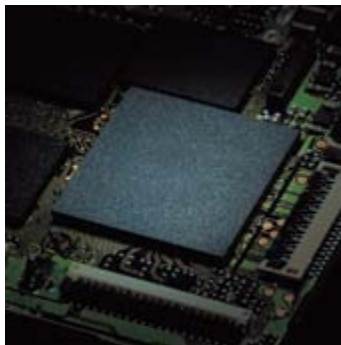
The E-PM1 incorporates a new 12.3-megapixel High Speed Live MOS sensor that is a high-sensitivity, high-speed version of the traditional Live MOS sensor. The sensor is also compatible 1920 x 1080/59.94i full HD-format movie recording. The use of the line addition method for

readout of lines in movies and Live View images improves image reproduction. Maximum sensitivity has also been boosted to as high as ISO12800, which can improve shooting under low light, indoors or using a faster shutter speed.



New image processing engine supporting high image quality and fast response

The E-PM1 incorporates the new TruePic VI image processing engine to improve image quality and quicken response. In addition to using the same Fine Detail processing that provided the E-5 with such high resolution, the E-PM1 incorporates Real Color Technology to improve the reproduction and gradation expressions of specific colors, so that they appear more natural and closer to the way they actually look to the human eye. Dedicated image processing cores are used separately for the recorded image and Live View image to improve the response in sequential shooting.



PEN QUALITY | [OPERATION](#) | [ART FILTER](#) | [Various Function](#)

- Notes:

Specifications

To view this page, JavaScript must be enabled.

Product Type	Product type	Micro Four Thirds interchangeable lens system camera
	Memory	SD Memory Card(SDHC, SDXC, UHS-I compatible), Eye-Fi *

		Class 6 is recommended for Movie shooting
	Screen size	17.3 x 13.0 mm
	Lens mount	Micro Four Thirds Mount
	Image Pickup Unit	
	Product type	High speed Live MOS Sensor
	Number of pixels	Number of effective pixels : Approx.12.3 million pixels Total number of pixels : Approx.13.1 million pixels
	Aspect ratio	1.33 (4:3)
	Dust reduction	Supersonic Wave Filter (dust reduction system for image sensor)
	Recording(Still)	
	Recording format	DCF, DPOF compatible/Exif, PRINT Image Matching III
	File format	RAW (12-bit lossless compression), JPEG, RAW+JPEG, MPO (3D still)
	Recording image size	[RAW] 4032 x 3024 pixels [JPEG] 4032 x 3024 pixels - 640 x 480 pixels
Image Stabilization System	Type	Built in (Imager shift image stabilizer)
	Mode	3 modes (IS1:2 dimensional activation, IS2:1 dimensional activation in landscape frame to vertical direction moving, IS3:1dimensional activation in portrait frame to vertical direction moving), OFF
	IS for finder image	-
	Focal length setting	Available
	Live View	
	Type	Image Sensor(High Speed Live MOS) type
	Field of view	Approx.100%
	Display Mode	Normal Mode, Grid Line Mode(4 types), Histogram Mode, Magnified View Mode, Comparable View Mode, OFF Mode
	Magnification Ratio	x5, x7, x10 (Default), x14
	Monitor information	Aperture value, Shutter speed, Auto Bracket, AE Lock, AF

		mode, IS, Shooting Mode, Battery Check, Myset, Internal Temperature Warning, Face / Eye Detection, Histogram, Number of storable still pictures, Record mode, ISO, Sequential shooting, Self-timer, White Balance, Metering Mode, AF confirmation mark, Exposure Compensation Value, Spot metering Area, Flash Mode, Flash Status, Flash intensity Control, Super FP, Focusing length, Tone control, Eye-Fi condition
	Display of Face Detection	Max 8 frames of face detection can be displayed
Monitor	Monitor type	LCD, AR(Anti-Reflection) coating,
	Size	3.0 inches 16:9
	Total no. of pixels	Approx. 460,000 dots
	Brightness control / Color balance	±7 levels / -
	Color temperature	±7 levels
	Color tone select	-
Focusing	AF system	Imager Contrast Detection AF system *When non High-speed imager AF compatible lens is used, it works as AF assist.
	Focus mode	Single AF (S-AF) / Continuous AF (C-AF) / Manual Focus (MF) / S-AF + MF / AF tracking (C-AF + TR) * C-AF and AF tracking are not available with non-mFTS lenses. * This is can be set in both recording mode, still and movie, separately.
	Full-time AF	Available
	Magnified frame AF	Available
	Face detection AF / Eye detection AF	Available (Eye Detect AF : OFF / Near side eye priority mode / Right side eye priority mode / Left side eye priority mode)

	Focusing point	35-area multiple AF with the contrast detection system (Auto, selectable in option)
	Focusing point selection	Auto from all 35 area, Single area from 35 area, Group Target area (9 area) from 35 area / Auto from almost all area when Face detection is ON / Free selection when Magnified View Mode is selected
	AF illuminator	Available
	Manual Focus Assist * Customize function	When rotation of focus ring is detected under S-AF+MF or MF mode, LV is magnified automatically
Exposure Control (Still)	Metering system (TTL Image sensor metering)	TTL Image Sensor metering system (1) Digital ESP metering (324-area multi pattern metering) (2) Center weighted average metering (3) Spot metering (approx. 1% for the viewfinder screen. Highlight / shadow bases are available)
	Metering range	EV 0 - 20 (Digital ESP metering, Centre weighted average metering, Spot metering) (At normal temperature, 17mm f2.8, ISO 100)
	Exposure mode	(1)iAuto (2)P: Programme AE (Programme shift can be performed) (3)A: Aperture priority AE (4)S: Shutter priority AE (5)M: Manual (6)Scene select AE (7)Art Filter (8)Underwater wide / Underwater macro (Selectable from menu as a function on Rec/Arrow pad button)
	Scene select AE	Portrait, e-Portrait, Landscape, Landscape + Portrait, Macro, Sport, Night Scene, Night + Portrait, Children, High Key, Low Key, DIS mode, Nature Macro, Candle, Sunset, Document, Panorama, Fireworks, Beach & Snow, Fisheye Conv, Wide Conv, Macro Conv, 3D
	ISO sensitivity	AUTO : ISO 200 - 12800(customizable, Default 200-1600) / Manual : ISO 200 - 12800, 1/3 or 1 EV steps,
	Exposure compensation	±3 EV in 1/3, 1/2, 1 EV steps selectable

	AE lock	Available (Using Rec button is available)
Shutter	Product type	Computerized focal-plane shutter
	Shutter speed	60 - 1/4000 sec. Bulb: up to 30 min. (selectable longest time in the menu. Default: 8 min) 1/3, 1/2, or 1EV steps selectable.
Flash	Built-in flash	No. Special external flash is bundled.
	Bundled flash	FL-LM1
	G.No	GN=10(ISO200•m) / GN=7(ISO100•m) but ISO100 is not available
	Flash mode	Auto, Red-eye reduction, Red-eye reduction slow sync., Slow sync at 1st curtain, Slow sync at 2nd curtain, Fill-in, Off. *Flash mode of External Flash
	Synchronization speed	1/60-1/160 (Super FP 1/125-1/4000 with External Flash)
	Flash intensity control	Up to ±3 EV in 0.3, 0.5, 1 EV steps
	Compatible external flash	FL-50R, FL-36R, FL-50, FL-36, FL-20, FL-14, FL-300R, FL-600R
Drive	Drive mode	Single-frame shooting, Sequential shooting, Self-timer
	Sequential shooting speed	4.1 fps in sequential shooting (5.5 fps in case of "I.S. OFF".)
	Max. recordable pictures on sequential shooting	[RAW mode] Max. 9frames. (with Toshiba SDHC UHS-I card R95 W80 model Premiugate series "Class 10" 8GB) [JPEG(LN) mode] Max. 15frames in case of "Sequential H" & "I.S. is ON" (with Toshiba SDHC UHS-I card R95 W80 model Premiugate series "Class 10" 8GB) * Depending on shooting conditions, the sequential shooting speed may reduce speed during shooting.
	Self-timer	Operation time: 12 sec., 2 sec. (cancel available)
Bracketing	Exposure bracketing	2, 3, 5frames in 0.3, 0.5, 0.7, 1EV steps selectable, 7frames

		in 0.3, 0.5, 0.7EV steps selectable
	ISO bracketing	-
	White balance bracketing	3 frames in 2, 4, 6 steps selectable in each A-B/G-M axis.
	Flash bracketing	-
	Art Filter bracketing	Available
	Art Filter	
	Mode	Pop Art, Soft Focus, Grainy Film, Pin Hole, Diorama, Dramatic Tone
	Variation / Effect	-
Recording(Movie)	Recording format	AVCHD / AVI Motion JPEG
	Movie Mode	[AVCHD] FullHD Fine : 1920(H)x1080(V), 60i Recording, 20Mbps, Aspect 16:9 FullHD Normal : 1920(H)x1080(V), 60i Recording, 17Mbps, Aspect 16:9 HD Fine : 1280(H)x720(V), 60p Recording, 17Mbps, Aspect 16:9 HD Normal : 1280(H)x720(V), 60p Recording, 13Mbps, Aspect 16:9 * Frame rate of image sensor output is 30fps [AVI Motion-JPEG] HD: 1280(H)x720(V), 30fps, Aspect 16:9 SD: 640(H)x480(V), 30fps, Aspect 4:3(VGA) * Some Artfilters are exceptional
	Maximum Recording Time	[AVCHD] Max29min(Full HD Normal/HD Fine/HD Normal : 29min, Full HD Fine : 22min) [AVI Motion-JPEG] HD: 7min, SD: 14min (Some Artfilters are exceptional)
	IS for Movie	Shifting electronic image
	File Size	AVCHD : Max 4GB / AVI Motion-JPEG : Max 2GB

Recording(Sound)	Recording format	[AVCHD] Dolby Digital [AVI Motion JPEG / Picture with Sound] Wave Format Base (Stereo PCM/16bit, 48kHz)
	Microphone/Speaker	Stereo / Mono
	Maximum Recording Time	Picture with Sound: 30sec / Movie: depend on Movie Recording Time
White Balance	White Balance mode	Auto WB, 7 Preset WBs, 2 Capture WBs, Custom WB(Kelvin setting)
	Preset white balance	7 settings (3000K - 7500K) Lamp (3000K), Fluorescent (4000K), Daylight (5300K), Flash (5500K), Cloudy (6000K), Shade (7500K), Underwater WB
	White balance compensation	±7 steps in each A-B/G-M axis (in Auto WB / Preset WB mode / One touch WB)
Color Mode		sRGB, Adobe RGB
Picture Mode	Mode	i-Enhance, Vivid, Natural, Portrait, Muted, Monotone, Art Filter
	Gradation	4 levels (Auto, High key, Normal, Low key)
Multi Exposure	Number of picture	2 frames
	Functions	Auto gain, Live View, Exposing on Recorded picture
Multi Aspect		4:3(Default)/3:2/16:9/6:6/3:4
One push Tele-converter		x2
Playback	Playback mode	Single-frame, Information Display, Index Display(4/9/25/100 frames, Calendar), Close-up (2 - 14X), Movie (w/sound, FF/REW/Pause), Picture rotation (manual), Slideshow(Still/Movie/Still+Movie, Slide show w/BGM/BGM+Sound/Sound), When a camera is connected to HDTV with HDMI cable, 2 new slideshow effect can be selectable. (Still)

	Information display	Histogram (independent luminance / RGB available), Highlight / Shadow point warning, AF frame, Shooting information
Menu		Japanese, English, French, German, Spanish, Italian, Japanese, Korean, Traditional Chinese, Simplified Chinese, Russian, Czech, Dutch, Danish, Polish, Portuguese, Swedish, Norwegian, Finnish, Croat, Slovenian, Hungarian, Greek, Slovakian, Turkish, Latvian, Estonian, Lithuanian, Ukrainian, Serbian, Bulgarian, Rumanian, Indonesian, Malay, Thai
Print		Print reservation (DPOF), Direct print (PictBridge compatible)
Input/Output	USB/Video connector	Dedicated multi-connector (Video: NTSC/PAL selectable, Optional Remote cable RM-UC1, USB cable is available)
	HDMI connector	Mini HDMI type-D(1080i/720p/576p/480p)
	Flash attachment	Hot shoe
	Accessory attachment	Accessory port 2
	PC interface	USB 2.0 High Speed for storage through Multi- connector(MTP mode is available)
	TV interface	HDMI(HD/Mono or Stereo Sound), VIDEO-OUT(SD/Mono Sound)
	DC-in	-
Power	Battery	BLS-1/BLS-5 Li-ion battery (included)
Requirements	Power battery holder	-
	AC adaptor	-
	Sleep mode	Available (1, 3, 5 min., selectable)
	No. of recordable pictures	Approx. 300 shots (with BLS-1/BLS-5 and Toshiba Class 6 SDHC 4GB card under CIPA testing standard)
Dimensions/Weight	Dimensions	109.5 x 63.7 x 34.0mm (excluding protrusions)

	Weight	265g (including Battery and Memory card) / 217g (body only)
Operating	Temperature	0 - 40°C (operation) / -20 - 60°C (storage)
Environment	Humidity	30 - 90% (operation) / 10 - 90% (storage)

- * Specifications and design are subject to change without notice.
- * The photo is for illustrative purposes only.
- * Product availability depends on sales areas.
- * Color availability depends on sales areas.
- * "HDMI", the HDMI logo and "High-Definition Multimedia Interface" are trademarks or registered trademarks of HDMI Licensing, LLC.
- * Eye-Fi, the Eye-Fi logo and Eye-Fi connected are trademarks of Eye-Fi, Inc.



-