SONY
make.believe

Interchangeable-lens
digital camera

α
3000

E-mount

The Power of Imaging **BE MOVED**

α

Magazine-style photos made easy.

The solid and dependable α3000 feels good in your hands and brings out the beauty of every memorable scene. You'll enjoy stunning image quality thanks to a large Exmor APS HD CMOS sensor with 20.1 effective megapixel resolution* and ISO 16000 sensitivity. Confident, worry-free shooting is ensured by a comfortable grip and clear, easy-to-view Tru-Finder electronic viewfinder. Moreover, interchangeable-lens freedom combines with system expandability and numerous advanced features like Auto Object Framing to broaden your creative horizons. Whether capturing still images or movies, the α3000 is the right choice for shooting pleasure.

* Approx.

α
3000

E-mount

- Exmor® APS HD CMOS sensor with approx. 20.1 effective megapixels and ISO 16000 sensitivity
- Tru-Finder and comfortable, dependable grip
- Multi Interface Shoe and Multi Terminal
- Creative functions such as Picture Effect, Auto Object Framing and more

E 18-55mm F3.5-5.6 OSS (SEL1855), 1/320 sec., F5.6, ISO 100, Auto white balance

Sharp, clean results bursting with color.
Sony technology helps capture the magic of any moment.

E 18-55mm F3.5-5.6 OSS (SEL1855), 1/160 sec., F11, ISO 100, Auto white balance

Two keys to outstanding photos and movies

You won't see them but they are there: Sony's 20.1 megapixel* Exmor™ APS HD CMOS sensor and blazing-fast BIONZ™ image processing engine. Every scene is captured beautifully, from corner to corner, with fine details and rich tonal gradations. The sensor's large size delivers high sensitivity, attractive defocusing effects, and low noise in wide-ranging shooting situations including dimly lit environments. Impressive 20.1-effective-megapixel resolution and advanced BIONZ image processing also bring every detail to life.
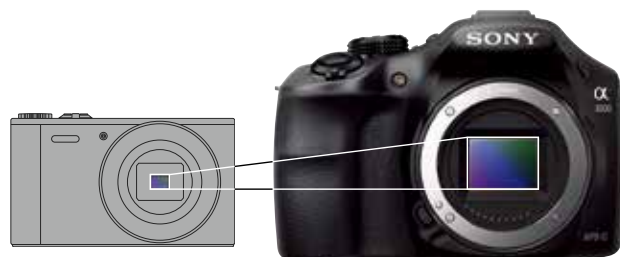
* Effective pixels (approx.)

Exmor™
APS HD CMOS

BIONZ

APS-C
Actual Size

WORLD'S MOST-SELECTED No.1 IMAGE SENSOR

Sony is the world's No. 1 manufacturer of image sensors for digital cameras and video recorders (based on Sony research from April 2012 to March 2013 that shows Sony has a 50% market share)

Large image sensor
The APS-C size sensor on the α3000 is more than 13x larger than the 1/2.3-size sensors commonly found on compact digital cameras.
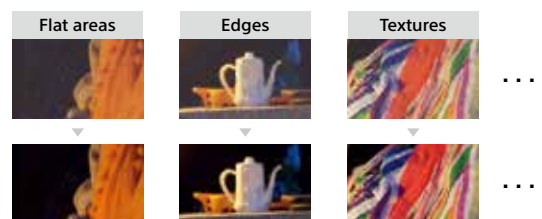
E 18-55mm F3.5-5.6 OSS (SEL1855), 1/40 sec., F5.6, ISO 3200, Auto white balance

Wide-ranging sensitivity from ISO 100 to 16000

Even in dim lighting, you can shoot beautiful photos with natural tonal gradations and low noise — without using a flash. Auto ISO provides outstanding results in most lighting situations and you can select settings manually to suit particular occasions. Excellent low-light performance is made possible by cutting-edge features like the same area-specific noise reduction as found on the α99.

Area-specific noise reduction

This intelligent technology — initially introduced on Sony α Series cameras starting with α99 — adjusts the level of noise reduction for different areas of the image.

Flat areas	Edges	Textures

Superior operability makes shooting a breeze.
Enjoy intuitive operation and confident, worry-free shooting.

Easy-to-view Tru-Finder electronic viewfinder

Tru-Finder™

View every scene clearly with the built-in viewfinder, which even shows the effects of exposure and white balance settings so you can accurately check how the final photo will look. Features include 100% frame coverage and various shooting information displays.

Multi Interface Shoe expands your shooting options

Multi Interface Shoe

Tap into a wide variety of optional accessories with the Multi Interface Shoe. The α3000 system includes external flash units, video lights, adaptors and more — everything you need when it's time to expand.

Convenient mode dial

The mode dial lets you quickly change shooting modes and always be confident about which shooting mode is currently in use. By providing intuitive access to P/A/S/M modes, Superior Auto mode and more, it simplifies operation so you can concentrate on the action.

Secure, dependable grip

The grip is designed so you can hold the camera securely, shoot with confidence and enjoy worry-free shooting. Sony even conducted market research to determine the optimal grip size and shape. The result is a comfortable grip that fits snugly in the palm of your hand and is long enough to grab ahold of securely with all your fingers.

Built-in flash* for a splash of light

Brighten the scene with this convenient addition. Combined with the high sensitivity of ISO 16000, you'll never miss a shot even when the lights go down. It also produces alluring catch lights for daylight portraits.
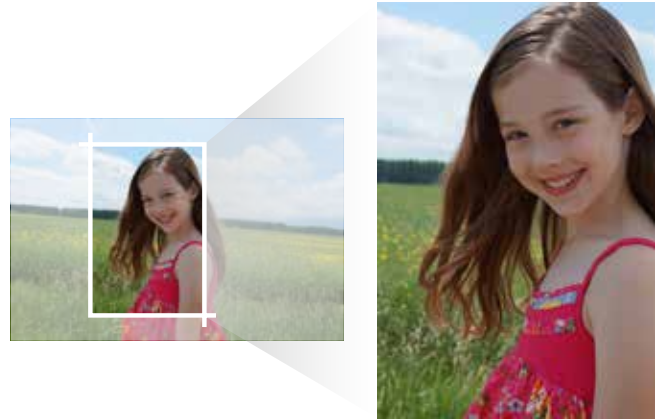
* GN4; ISO 100·m

Precious moments you'll cherish forever.
Produce stunning photos and movies that always impress.

Beautifully composed photos with Auto Object Framing

Give your photos a professional look with Auto Object Framing. This savvy function analyzes portraits, close-ups or images of moving subjects then crops them after you take the shot to produce photos with maximum appeal. Featuring advancements like exceptional two-person portrait capabilities along with Face Detection and Tracking Focus, Auto Object Framing not only turns ordinary photos into stunning compositions but does so effortlessly, automatically recognizing the scene then cropping accordingly. And thanks to Sony's By Pixel Super Resolution Technology and high-resolution Exmor sensor, images can be radically cropped without marked loss of image quality.

Notes:
• Cropping results vary depending on shooting situations.
• The original image is saved along with the cropped version.

Auto Tracking Framing

Auto Macro Framing

Auto Portrait Framing

Clear Image Zoom

50 mm

100 mm equivalent

Clear Image Zoom

Conventional digital zoom

If you can't seem to get close enough to the subject, activate Clear Image Zoom. This extends the reach of your lens up to 2x without markedly degrading image quality. Clear Image Zoom employs Sony's By Pixel Super Resolution Technology to achieve amazingly sharp zoom shots without a telephoto lens. And by combining it with α3000's Digital Zoom and Smart Zoom*, you can increase magnification up to 8x over the lens' maximum focal length. What's more, Clear Image Zoom supports both photos and movies so you'll always have plenty of reach for distant subjects.

* Smart Zoom does not support movies.

Fabulous Full HD movies at the press of a button

Experience the magnificence of Full HD movies in AVCHD. Just press the MOVIE button and start shooting. Support for 60i* gives your movies a lifelike feel with more natural movement while aspiring moviemakers can select 24p* to re-create the look of traditional cinema. α3000's responsive autofocus keeps subjects in sharp focus, allowing you to record even moving subjects and still be assured of excellent results. The built-in microphone delivers superior audio quality, and Digital Zoom can be used to extend the lens' maximum magnification while recording.

* 1080 60i/1080 devices

Not all images were taken with the α3000.

Creative versatility for that 'Wow' look.
Take your photography to new heights of artistry.

Picture Effect — Your key to an exciting photographic adventure

Every image is a potential work of art with Picture Effect — in-camera control for turning mundane shots into little gems. α3000 includes 15 effects that can be applied to photos or movies, giving you the means to vastly expand your artistic repertoire. The ability to view effects in real-time on the LCD screen or viewfinder* before taking the shot lets you experiment with different looks until you are satisfied with the result.

* The following modes are not displayed in real-time and cannot be applied to movies: HDR Painting, Rich-tone Monochrome, Soft Focus and Miniature.

HDR Painting

Miniature

Soft Focus

Retro Photo

Partial Color (Green)

Soft High-key

Pop Color

Posterization (Color)

Photo Creativity — Fine tuning the look of photos and movies

Background Defocus control

Brightness control

Color control

α3000 provides easy access to most Picture Effect settings as well as controls for Background Defocus, Brightness, Color and Vividness. Just activate Photo Creativity, choose the appropriate item then adjust while viewing in real-time on the LCD screen or viewfinder. The ability to combine settings offers nearly unlimited creative control, and lets you compensate for tricky lighting.

Superior Auto mode — Serious point-and-shoot simplicity

Use Superior Auto mode to shoot photos and movies with the ease of a compact digital camera. In this mode, the camera recognizes the current shooting environment then adjusts settings for optimal results. Superior Auto also includes Auto HDR and Hand-held Twilight modes, both of which employ image compositing technology to handle difficult lighting by recording multiple images at high speed then compositing them to produce the final photo.

Intelligent Auto

Night Scene	Backlight Portrait	Backlight	Spotlight	Landscape	Portrait
Macro	Low Light	Tripod Night View	Night Portrait	Infant	

+

Auto HDR   **Hand-held Twilight**

Hand-held Twilight mode*

Auto HDR mode*

Macro mode*

* Does not support movies.

The camera that gives you more.
Advanced features, a new level of ease, and loads of fun.

Added functionality for your shooting convenience

Soft Skin Effect

Soften skin and tame unsightly wrinkles and blemishes. The pros' choice when shooting portraits to make people look their best. Adjustable in three levels.
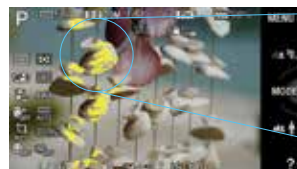

On   Off

Peaking function

Quickly confirm focus in the composition. A highlight — adjustable over three settings each for sensitivity level and color — appears over areas that are focused.

Sweep Panorama

Capture a dramatic landscape or cityscape. Just swing the camera when shooting then play back on the LCD screen.

USB charging

Connect α3000 to a PC or AC outlet via the bundled micro USB cable to charge the battery without removing it from the camera.

Face Detection / Smile Shutter

Set α3000 to recognize faces and smiles. Face Detection locates up to eight faces in a composition then adjusts exposure, white balance and other settings based on these faces. Smile Shutter — adjustable in three levels — automatically takes a shot when smiles in the scene are at their brightest.

Anti Motion Blur / Hand-held Twilight modes (Scene Selection)

Employing Sony image compositing technology, these two modes deliver superb photos with reduced noise and blur when shooting handheld in low-light environments. Anti Motion Blur mode is especially useful for decreasing blur caused by camera shake and subject movement, while Hand-held Twilight mode balances exposure between the main subject and background for pleasing nighttime photos.

Auto HDR (High Dynamic Range) mode / D-range Optimizer (DRO)

Decrease contrast in scenes with extremely dark and light areas. Well suited for stationary subjects, Auto HDR mode combines three images — one each for highlights, mid-tones and shadows — to produce one photo that closely resembles the scene as you saw it. DRO takes only one shot, but can be used for lowering contrast in photos with moving subjects and when using continuous shooting.

Creative Style

Tailor the look of photos and movies before shooting. Choose from one of six settings — Standard, Vivid, Portrait, Landscape, Sunset or Black & White — depending on the scene or your creative intent.

Speed Priority Continuous mode

Freeze fast-moving subjects by shooting at up to 3.5 fps*. This is the ideal solution for photographing sports, children at play or other action.

* In Speed Priority Continuous mode. Continuous speed varies depending on shooting conditions and memory cards. Focus and exposure are locked at the first shot.
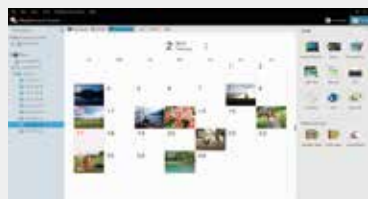

More ways to enjoy photos and movies.
Software and online sharing for PCs, tablets, smartphones and PlayStation®3.

PlayMemories
Home

PlayMemories
Studio

PlayMemories
Online

PlayMemories Home™

Free, easy-to-use image management software installs onto Windows PCs for Sony Digital Camera users. Download photos and movies onto your computer then view, organize, edit, retouch, print, burn to disk, share or upload to social networking websites*.

* Cannot be used to retouch movies.

PlayMemories Studio™

Turn your PlayStation®3 into a creative playground. Use familiar controllers to edit, organize, view and share photos and movies. PlayMemories Studio™ also plays photo slideshows with sound.

PlayMemories Online™

A fun image sharing service for both photos and movies. Uploaded images can be viewed on multiple devices, and quality photo books can easily be created from the images.

PlayStation®3

TRILUMINOS™ Color.

A breathtaking way to relive your fondest memories.

α3000 supports Sony's "TRILUMINOS Color," allowing you to view photos and movies in rich, natural colors on any TV equipped with a "TRILUMINOS Display." The expanded color gamut lets you immerse yourself once again in those unforgettably colorful moments, from the complex shades in a shimmering blue sky to the natural tones of a rosy complexion.

TRILUMINOS
COLOR

TRILUMINOS
DISPLAY

A complete system for any creative challenge.
Choose from a wide range of Sony lenses and accessories.

Lenses

NEW

Vario-Tessar T*
E 16-70mm F4 ZA OSS
(SEL1670Z)

ZEISS

E 55-210mm F4.5-6.3 OSS
(SEL55210)

NEW Black

E 50mm F1.8 OSS
(SEL50F18)

NEW

E PZ 18-105mm F4 G OSS
(SELP18105G)

G

**E 18-200mm F3.5-6.3
OSS LE**
(SEL18200LE)

E 10-18mm F4 OSS
(SEL1018)

E PZ 18-200mm F3.5-6.3 OSS
(SELP18200)

E 20mm F2.8
(SEL20F28)

E PZ 16-50mm F3.5-5.6 OSS
(SELP1650)

E 16mm F2.8
(SEL16F28)

E 30mm F3.5 Macro
(SEL30M35)

E 18-55mm F3.5-5.6 OSS
(SEL1855)

+ **Fisheye Converter**
(VCL-ECF1)
Dedicated for SEL16F28

E 35mm F1.8 OSS
(SEL35F18)

E 18-200mm F3.5-6.3 OSS
(SEL18200)

+ **Ultra Wide Converter**
(VCL-ECU1)
Dedicated for SEL16F28

Sonnar T* E 24mm F1.8 ZA
(SEL24F18Z)

ZEISS

More lenses, more creative options

An extensive lineup of quality Sony lenses is at your command for any creative endeavor. Lightweight and small E-mount lenses provide the ultimate in shooting freedom. Moreover, premium Sony A-mount lenses* — from fisheye and wide-angle to super telephoto and macro — open the door to infinite photographic expression.

* Require optional Mount Adaptor LA-EA2 or LA-EA1.

Translucent Mirror Technology™
Full-time Continuous AF

Mount Adaptor
LA-EA2

Mount Adaptor
LA-EA1

Accessories

Body Case
LCS-U21
Black

Soft Carrying Case
LCS-AMB
Black

Soft Carrying Case
LCS-SL20
Black

Shoulder Strap
STP-XH1
Black

Sling Bag
LCS-SB1
Black
- Can store tablet • Expandable
- Removable inner compartment

Flash
HVL-F20M
Multi Interface Shoe

Flash
HVL-F43M
Multi Interface Shoe
NEW

Flash
HVL-F60M
Multi Interface Shoe

Stereo Microphone
ECM-XYST1M
Multi Interface Shoe

Battery Video IR Light
HVL-LEIR1
Multi Interface Shoe

Remote Control Tripod
VCT-VPR1*¹ MULTI

Remote Control Tripod
VCT-VPR10*¹ MULTI

Remote Commander
RM-VPR1 MULTI

Shooting Grip
with Mini Tripod
GP-VPT1*¹ MULTI

Rechargeable
Battery Pack
NP-FW50
InfoLITHIUM W SERIES

Battery Charger
BC-QM1
(100V-240V)
NEW

USB AC Adaptor
AC-UD10*²
(100V-240V)

AC Adaptor
AC-PW20
(100V-240V)

LCD Protect
Semi Hard Sheet
PCK-LM1EA

	MC Protector	Circular PL Filter	ND Filter	Front Lens Cap	Rear Lens Cap/Body Cap
Φ 40.5 mm	**VF-405MP**	—	—	**ALC-F405S**	**ALC-R1EM/**
Φ 49 mm	**VF-49MPAM**	**VF-49CPAM**	**VF-49NDAM**	**ALC-F49S**	**ALC-B1EM**
Φ 62 mm	**VF-62MPAM**	**VF-62CPAM**	**VF-62NDAM**	**ALC-F62S**	E-mount
Φ 67 mm	**VF-67MPAM**	**VF-67CPAM**	**VF-67NDAM**	**ALC-F67S**	

ZEISS Carl Zeiss T*

*1 Please check the tripod's maximum load capacity before using a heavy lens.
*2 For charging only on α3000.

Controls

- Built-in flash
- AF illuminator/Self-timer lamp/Smile Shutter lamp
- Flash pop-up button
- Lens release button

- Viewfinder
- MOVIE button
- Soft key A
- Control wheel
- Soft key C
- Soft key B
- Access lamp
- LCD screen

- Multi/Micro USB Terminal (Supports Micro USB compatible device)
- Charge lamp
- Memory card insertion slot

- Microphone
- Power switch
- Shutter button
- FINDER/LCD button
- Mode dial
- Playback button
- Multi Interface Shoe
- Diopter-adjustment dial

Number of recordable still images

Capacity / Image quality	Memory card formatted with this camera					
	2 GB	**4 GB**	**8 GB**	**16 GB**	**32 GB**	**64 GB**
Standard	385	780	1,550	3,150	6,300	12,500
Fine	240	485	980	1,950	3,900	7,800
Extra-fine	-	-	-	-	-	-
RAW & JPEG	65	125	260	520	1,050	2,100
RAW	-	-	-	-	-	-

Measurement conditions: Image size L 20M, aspect ratio 3:2 (Actual number of images may be less than indicated depending on shooting conditions.)

Recording time

Capacity / Image quality	**2 GB**	**4 GB**	**8 GB**	**16 GB**	**32 GB**	**64 GB**
60i 24M (FX)	10 m	20 m	40 m	1 h 30 m	3 h	6 h
60i 17M (FH)	10 m	30 m	1 h	2 h	4 h 5 m	8 h 15 m
24p 24M (FX)	10 m	20 m	40 m	1 h 30 m	3 h	6 h
24p 17M (FH)	10 m	30 m	1 h	2 h	4 h 5 m	8 h 15 m
1440 x 1080 12M	20 m	40 m	1 h 20 m	2 h 45 m	5 h 30 m	11 h 5 m
VGA 3M	1 h 10 m	2 h 25 m	4 h 55 m	10 h	20 h 5 m	40 h 15 m

Main specifications   α 3000

General

Camera type	Interchangeable-lens digital camera with built-in flash
Lens compatibility	Sony E-mount lenses

Image sensor

Type	APS-C type (23.2 x 15.4 mm), *Exmor* APS HD CMOS sensor with primary color filters
Number of pixels (approx.)	20.1 megapixels (effective), 20.4 megapixels (total)
Image sensor aspect ratio	3:2
Anti-dust system	Charge protection coating on optical filter

Recording system (still image)

Recording format		JPEG (DCF Ver. 2.0, Exif Ver. 2.3, MPF Baseline compliant), RAW (Sony ARW 2.3 format)
Image size (pixels)	3:2 aspect ratio	L: 5456 x 3632 (20M), M: 3872 x 2576 (10M), S: 2736 x 1824 (5M)
	16:9 aspect ratio	L: 5456 x 3064 (17M), M: 3872 x 2176 (8.4M), S: 2736 x 1536 (4.2M)
	Sweep Panorama	Wide: horizontal 12416 x 1856 (23M), vertical 5536 x 2160 (12M), Standard: horizontal 8192 x 1856 (15M), vertical 3872 x 2160 (8.4M)
Image quality modes		RAW & JPEG, JPEG Fine, JPEG Standard
Picture Effect		11 modes (15 effects): Posterization (Color, B/W), Pop Color, Retro Photo, Partial Color (R, G, B, Y), High Contrast Mono, Toy Camera, Soft High-key, Soft Focus, HDR Painting, Rich-tone Mono, Miniature
Creative Style		Standard, Vivid, Portrait, Landscape, Sunset, B/W (Contrast -3 to +3 steps, Saturation -3 to +3 steps, Sharpness -3 to +3 steps)
Dynamic range functions		Off, Dynamic Range Optimizer (Auto/Level), Auto High Dynamic Range: Off, Auto Exposure Difference, Exposure Difference Level (1.0-6.0 EV, 1.0 EV step)
Color space		sRGB standard (with sYCC gamut) and Adobe RGB standard compatible with TRILUMINOS™ Color

Recording system (movie)

Recording format		AVCHD format Ver. 2.0 compliant / MP4
Video compression		MPEG-4 AVC/ H.264
Audio recording format		Dolby Digital (AC-3), 2ch / MPEG-4 AAC-LC, 2ch
Image size (pixels)	1080 60i compatible device	AVCHD: 1920 x 1080 (60i/30 fps image sensor output/24 Mbps/FX, 60i/30 fps image sensor output/17 Mbps/FH, 24p/24 Mbps/FX, 24p/17 Mbps/FH)
		MP4: 1440 x 1080 (30 fps/12 Mbps), 640 x 480 (30 fps/3 Mbps)
Color space		xvYCC standard compatible with TRILUMINOS™ Color

Media

Media	*Memory Stick PRO Duo, Memory Stick PRO-HG Duo, Memory Stick XC-HG Duo,* SD memory card, SDHC memory card, SDXC memory card
Slot	Multi slot for Memory Stick Duo/SD memory card

Noise reduction

	Long exposure NR: On/Off, available at shutter speeds longer than 1 sec., High ISO NR: Normal/Low

White balance

Modes	Auto WB, Daylight, Shade, Cloudy, Incandescent, Fluorescent, Flash, C. Temp 2500 to 9900K, C. Filter (G7 to M7 15-step, A7 to B7 15-step), Custom
AWB micro adjustment	G7 to M7 15-step, A7 to B7 15-step

Focus system

Type	Contrast-detection AF
Focus point	25 points
Sensitivity range	EV 0 to EV 20 (at ISO 100 equivalent with F2.8 lens attached)
Focus modes	Autofocus, DMF (Direct Manual Focus), Manual Focus
AF modes	AF-S: Single-shot AF, AF-C: Continuous AF
Focus area	Multi Point (25 points)/Center-weighted/Flexible Spot
Other features	Tracking Focus, Predictive control, Focus lock, AF micro adjustment*, Eye-start AF*
AF illuminator	Built-in LED type
AF illuminator range (approx.)	Approx. 1-1/2 - 9 ft. (0.5 m - approx. 3.0 m) (with E PZ 16-50mm F3.5-5.6 OSS attached)

Exposure control

Metering type	1200-zone evaluative metering
Metering sensor	*Exmor* APS HD CMOS sensor
Metering sensitivity	EV 0 to EV 20 (at ISO 100 equivalent with F2.8 lens attached)
Metering modes	Multi-segment, Center-weighted, Spot
Exposure modes	iAUTO, Superior Auto, Programmed AE (P), Aperture priority (A), Shutter-speed priority (S), Manual (M), Sweep Panorama, Scene Selection
Scene Selection	Portrait, Landscape, Macro, Sports Action, Sunset, Night Portrait, Night Scene, Hand-held Twilight, Anti Motion Blur
Exposure compensation	Still images: +/- 3.0 EV (1/3 EV steps), Movies: +/- 2.0 EV (1/3 EV steps)
Bracketing	With 1/3, 2/3, 1, 2, 3 EV increments, 3 frames
AE lock	Locked when shutter button is pressed halfway. Can be disabled from the Menu.
ISO sensitivity (Recommended Exposure Index)	Still images: ISO 100 to 16000, AUTO (ISO 100 to 3200), Movies: ISO 100 to 3200 equivalent, AUTO (ISO 100 to 3200 equivalent)

Viewfinder

Type	1/5" (0.5 cm) electronic viewfinder
Total number of dots	201,600 dots (equivalent)
Brightness control	Auto/Manual (3 steps between -1 and +1)
Field coverage	100%
Magnification	Approx. 0.70x (with 50 mm lens at infinity, -1 m⁻¹)
Diopter adjustment	-4.0 m⁻¹ - +3.5 m⁻¹
Eye point	Approx. 21 mm from the eyepiece lens, 15 mm from the eyepiece frame at -1 m⁻¹ diopter (CIPA standard)
Display	Disp. Basic Info, Histogram
Real-time image adjustment display	Exposure Comp., White Balance, Creative Style

LCD screen

Type	3.0 inch (7.5 cm) wide type TFT LCD display
Number of dots (total)	230,400 dots

Brightness control	Manual (5 steps between -2 and +2), Sunny Weather mode
Field coverage	100%
Adjustable angle	-
Display contents	Graphic Display All Info., Big Font Size Disp., No Disp. Info., Level, Histogramtt
Real-time image adjustment display	ON/OFF
Focus check	MF Assist (6.8x, 13.6x)
	Peaking (Level: High/Mid/Low/Off, Color: White/Red/Yellow)

Face Detection

Modes	On, Off, Face Registration, Face Selection; max. eight faces detected

Other features

	Auto Object Framing, Smile Shutter (selectable from 3 steps)

Clear Image Zoom

Still images (approx.)	Approx. 2x

Digital Zoom

Digital Zoom (Still images)	Approx. 4x
Smart Zoom (Still images)	Approx. 1.4x / Approx. 2x
Digital Zoom (Movie)	Approx. 4x

Shutter

Type	Electronically-controlled, vertical-traverse, focal-plane type
Shutter speed	1/4000 to 30 sec., Bulb
Flash sync. speed	1/160 sec.
Electronic front curtain shutter	Yes

SteadyShot INSIDE (image stabilization)

Type	Not supported (image stabilization supported by lens)

Flash

Type	Built-in flash
Guide No.	4 (in meters at ISO 100)
Flash coverage	16 mm (focal-length printed on the lens body)
Control	Pre-flash TTL
Flash compensation	+/- 2.0 EV (1/3 EV steps)
Flash modes	Flash off, Autoflash, Fill-flash, Slow Sync., Rear Sync., Red-eye reduction (On/Off selectable), Hi-speed sync.*1
Recycling time	Approx. 4 sec.
External flash	Sony α System Flash (compatible with Multi Interface Shoe and Auto-lock Accessory Shoe with optional Shoe Adaptor ADP-MAA)

Drive

Modes	Single-shot, Continuous, Speed Priority Continuous, Self-timer (10/2 sec. delay selectable), Self-timer (Cont.) (with 10 sec. delay; 3 exposures), Bracketing
Speed (approx., max.)*2	Continuous mode: max 2.5 fps, Speed Priority Continuous mode: max 3.5 fps
No. of recordable frames (approx.)*2	Fine: 13 frames, Standard: 30 frames, RAW & JPG: 5 frames

Playback

Modes	Single (with or without shooting information), RGB histogram and highlight/shadow warning, 6/12-frame index view, Enlarged display mode (L: 15.1x, M: 10.7x, S: 7.6x, Panorama (Standard): 19x, Panorama (Wide): 29x), Auto Review (10/5/2 sec., Off), Image orientation (On/Off), Slideshow, Panorama scrolling, Folder selection (Still), Forward/Rewind (Movie), Delete, Protect

Interface

PC interface	Multi/Micro USB Terminal*3, Hi-speed USB (USB2.0): Mass-storage, MTP
HD output	-
Multi Interface Shoe	Yes
Compatible OS*4 (USB connection)	Windows XP*5 SP3, Windows Vista*6 SP2, Windows 7 SP1, Windows 8, Mac OS X (10.5-10.8)

Audio

Microphone	Built-in stereo microphone
Speaker	Built-in, monaural, volume settings in 8 steps between 0 and 7

Print

Compatible standards	Exif Print, Print Image Matching III, DPOF setting

Custom function

Type	Custom key settings

Power

Battery	Rechargeable Battery Pack NP-FW50
Still images	Approx. 460 images with viewfinder and approx. 470 images with LCD screen (CIPA standard)
Movies	Actual*7*8: Approx. 80 min. with viewfinder and approx. 80 min. with LCD screen (CIPA standard), Continuous*7*9: Approx. 150 min. with viewfinder and approx. 150 min. with LCD screen (CIPA standard)
Internal battery charge	Micro USB type B
External power	AC Adaptor AC-PW20 (optional)

Weight

With battery and *Memory Stick PRO Duo*	Approx. 14.5 oz. (411 g)
Body only	Approx. 12.5 oz. (353 g)

Dimensions

W x H x D (excluding protrusions)	Approx. 5 1/8 x 3 5/8 x 3 3/8 in. (128.0 x 90.9 x 84.5 mm)

Operating temperature

Range	32°-104°F/0-40°C

Specifications and features are based on information available at the time of printing and are subject to change without notice.
*1 With compatible external flash.
*2 May vary depending on shooting conditions and media.
*3 Supports Micro USB compatible device.
*4 Must be installed with the above OS at delivery. Proper operation cannot be guaranteed with an upgraded OS environment.
*5 64-bit and Starter Editions are not supported.
*6 Starter Edition is not supported.
*7 Continuous movie recording is possible for approximately 29 minutes (limited by product specifications).
*8 Indicated recording time is defined by repeating the following cycle: Power on, start recording, zoom, stand-by and power off.
*9 Indicated recording time is defined by repeating the following cycle: Pressing the MOVIE button. No other operations such as zoom are performed.

System requirements of supplied software

	Image Data Converter Ver. 4		PlayMemories Home
OS*	Microsoft Windows®	Macintosh	Microsoft Windows®
	Windows® XP** SP3, Windows Vista® SP2, Windows® 7 SP1, Windows® 8	Mac OS X (10.5-10.8)	Windows® XP** SP3, Windows Vista® SP2, Windows® 7 SP1, Windows® 8
CPU	Pentium 4 or faster	Intel Core Solo/Core Duo/ Core 2 Duo or faster	Pentium III 800 MHz or faster; for playing/editing HD movies: Intel Core Duo 1.66 GHz or faster/Intel Core 2 Duo 1.66 GHz or faster, Intel Core 2 Duo 2.26 GHz or faster (AVCHD (FX/FH))
Memory	1 GB or more	1 GB or more	512 MB or more; for playing/editing HD movies: 1 GB or more

The computer environment must also satisfy the operating requirements of the OS. * Ottnly available with optional LA-EA2 and FDA-EV1S attached
* Must be installed with the above OS at delivery. Proper operation cannot be guaranteed with an upgraded OS environment. ** 64-bit and Starter Editions are not supported. The Windows Image Mastering API (IMAPI) Ver. 2.0 or later is required to use the function for creating discs.

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Trademarks & Remarks

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