

NEX-6/B

Compact Interchangeable Lens Digital Camera

Who says you can't have it all? The NEX-6 features a wish list of features and still fits in your pocket. And it's fast, too. Make quick changes with a handy DSLR-like dial. Focus and track fast-moving subjects with the speed and accuracy of phase and contrast detection. It even shoots 16.1MP photos at a blistering up to 10fps. It's the end of compromise as we know it.



16.1 MP APS-C size HD image sensor

The same sensor format that Sony builds into the full-sized DSLRs. With 13 times the area of the typical point-and-shoot image sensor, APS-C makes the difference between "snapshots" and "photographs," delivering an exceptional combination of high resolution, high sensitivity and gorgeous, blurred backgrounds.

Fast Hybrid AF

Sony's advanced Fast Hybrid AF combines two technologies for outstanding performance: Phase detection AF for quick response that is ideal when tracking fast-moving subjects and contrast-detection AF for added precision. A perfect match that delivers optimal Auto Focus for fast, precise focusing in any scene.

XGA Tru-Finder™ OLED

There's never been anything quite like the Tru-Finder™ OLED electronic viewfinder. For size, speed and brightness even after sunset, this is a gem. This eye-level, through-the-lens, viewfinder begins with 2359K dots for amazing resolution and high contrast ratio for incredible depth. OLED reduces motion blur to a bare minimum. You can also see the results of camera adjustments in real time with superb color and detail.

Wi-Fi® Sharing

Wi-Fi® capability – a first for Alpha-series – lets users transfer photos directly to smartphones and tablets with the PlayMemories Mobile™ app. Wi-Fi capability allows for sharing, viewing and saving photos for expanded photo-shooting enjoyment. Photos can be easily transferred to smartphones and tablets, viewed on large screen TVs or saved to PC's.¹¹

Advanced Control Dial

New Advanced Mode control dial and Quick Navi work together to assure a quick and intuitive operation comparable to DSLR cameras. Dedicated Fn (function) button combines with the mode dial to greatly facilitate operation and speed getting the shot.

New Multi-Interface Shoe

Unlike conventional cameras, the NEX-6 features a newly developed Multi-Interface Shoe that dramatically expands compatibility with Handycam® accessories, thus raising the potential for photo/movie shooting.

Built-in GN6 Pop-up Flash²

A built-in Guide Number 6 flash is located on top of the camera.² It is ideal for shooting in dimly lit settings and can be used as a fill flash when shooting in bright sunshine or to produce catch lights in portraits. The flash combines with ultra-high ISO 2500 and a large APS-C HD CMOS sensor for stunningly beautiful low-light photos.

Picture Effect mode

There are 11 picture effects modes to choose from: Posterization (Color, B/W), Pop Color, Retro Photo, Partial Color (Red, Green, Blue, Yellow), Soft High-key, High Contrast Monochrome, Toy Camera (Normal, Cool, Warm, Green, Magenta), Soft Focus, HDR Painting, Rich-tone Monochrome, and Miniature. Each is unique and each gives you a new and exciting way to make your images and videos pop.

Photo Creativity interface

The Photo Creativity interface enables you to easily enjoy the creative expression of SLR-quality digital imaging without the complicated settings. Changes can be easily made using the control dial with results seen in real time on the LCD. Settings include; Background Defocus, Brightness, Color, Vividness and most Picture Effects.

Auto Portrait Framing

Simply photograph a person and Auto Portrait Framing will save an additional, optimally framed image in portrait or landscape orientation. Combining Face Detection and By Pixel Super Resolution technologies with rule of thirds, Auto Portrait Framing provides beautifully composed and appealingly balanced full resolution portraits.

Clear Image Zoom

Utilizing Sony's exclusive By Pixel Super Resolution Technology, Clear Image Zoom increases the effective focal length of your lens up to 2x by digitally magnifying the center of your image with nearly imperceptible degradation. It virtually doubles the effective focal length of whatever lens you're using providing greater shooting flexibility.

Convenient USB charging

Easily recharge the camera via USB charging. Simply connect the bundled USB cable and recharge the battery without removing it from the camera, either via AC outlet or PC connection.

Full HD Movies¹ at 60p/60i/24p

Capture HD Movies in your choice of super-smooth 60p, standard 60i or cinematic 24p, all at Full HD 1920x1080 resolution.¹ AVCHD™ codec delivers stunning picture quality. MP4 codec offers smaller files for easier upload to the web.

Auto HDR built into camera

High Dynamic Range (HDR) photography captures more scene contrast than a single exposure can handle by combining the best highlight detail from one shot and the best shadow detail from another for one incredible shot. Until recently, you needed a computer and editing software. Sony builds HDR in. Handles severe backlighting and other high-contrast scenes. Captures in a split second. (Recommended for still subjects.)

6-image layering

The camera leverages the large, APS-C image sensor and captures six images in a fraction of a second. The camera then combines the data from the 6 different images up to ISO 25600 to create a single image. This method is used to control blur in Anti-Motion Blur mode or to get cleaner, sharper nighttime pictures in Hand-held Twilight mode.

Sweep Panorama™ Technology

Capture expansive landscapes automatically. Press the shutter, sweep vertically or horizontally. The camera does the rest, continuously shooting images and stitching them together. Up to 23 MP image size. Up to 202 degrees maximum sweep angle (16mm focal length).

Anti Motion Blur mode

Corrects for subject movement to capture amazingly clean and sharp images in low light. The camera leverages the large, APS-C image sensor and captures six images in a fraction of a second. Combining the data from all six creates a single image that minimizes subject blur.

Intelligent Auto Focus

Pre-focuses as you compose the shot, further reducing focusing time to a bare minimum.

Peaking AF display

The Peaking AF display makes precise manual focusing much easier by highlighting the edges that are in focus in your choice of three colors (white, red, or yellow). This is especially helpful during macro or portrait photography where your focal plane can make or break your shot.

Manual Focus Assist

Greatly magnifies the viewfinder image when you touch the focus ring, making it easy to get razor-sharp images. Works with E-mount lenses only.

Enhanced Tracking Focus

Tracking Focus continuously tracks a user-designated subject and is now more effective at tracking people. If the subject turns away from the camera, face-detection tracking automatically switches to subject tracking and continues tracking.

Face Detection technology

The camera can automatically detect up to eight individual faces and adjust focus, exposure, white balance and flash to help deliver crisp, properly lit images of family and friends. Can prioritize children or adults.

Smile Shutter™ technology

Captures a smile the moment it happens. Simply select the Smile Shutter™ mode and the camera takes the picture automatically. You can prioritize children or adults and adjust the smile sensitivity.

D-Range Optimizer (DRO)

Improves results with backlit subjects and recovers details hidden in shadows. Settings include Auto, Level with a choice of five operating levels and Off.

Creative Styles (6 modes)

Control how the camera processes your images with six finishing styles: Standard, Vivid, Portrait, Landscape, Sunset and B&W. You can even fine-tune contrast, saturation, and sharpness to your personal taste.

PhotoTV HD compatibility⁸

Optimizes compatible BRAVIA® televisions for gorgeous display of digital pictures.⁸

MS Duo/ SD slot

For cost-effective, convenient storage and sharing of your images, the camera accepts Memory Stick PRO Duo™/ Memory Stick PRO-HG Duo™ and SD/SDHC media (Class 4 or higher recommended), (Memory card is required, all are sold separately).

Anti-dust sensor

Anti-Dust Technology helps keep the CMOS sensor clean, resulting in consistently clear pictures. First a static-free coating on the sensor's low-pass filter helps repel dust. Then vibration automatically dislodges dust from the sensor.

Specifications

Camera

Lens Compatibility	Sony E-mount lenses
Camera Type	Sony E-mount interchangeable lens digital camera with built-in flash

Imaging Sensor

Imaging Sensor	Exmor™ APS HD CMOS sensor (23.5 X 15.6mm)
Anti Dust	Charge protection coating on Optical Filter and ultrasonic vibration mechanism
Pixel Gross	Approx. 16.7 megapixels
Effective Picture Resolution	Approx. 16.1 megapixels
Focal Length Conversion Factor	1.5x
Color Filter System	RGB primary color filters

Recording

Media Type	Memory Stick PRO Duo™, Memory Stick PRO-HG Duo™, SD memory card, SDHC memory card, SDXC memory card
Color Space	sRGB, AdobeRGB
Still Image Mode	JPEG (Standard, Fine), RAW, RAW+JPEG
Still Image Size 16:9	L: 4912 x 2760 (14M), M: 3568 x 2000 (7.1M), S: 2448 x 1376 (3.4M)
Still Image Size 3:2	L: 4912 x 3264 (16M),M: 3568 x 2368 (8.4M),S: 2448 x 1624 (4M)
Panorama Still Image Size	Horizontal Wide: 12,416 x 1,856 (23M), Vertical : 5,536 x 2,160 (12M), Horizontal Std: 8,192 x 1,856 (15M), Vertical Std: 3,872 x 2,160 (8.4M)
Video Format	AVCHD Ver. 2.0 (Progressive), AVCHD, MP4
Video Mode	AVCHD: PS - 1920 x 1080/60p@28Mbps FX - 1920 x 1080/60i@24Mbps FH - 1920 x 1080/60i@17Mbps FX - 1920 x 1080/24p@24Mbps FH - 1920 x 1080/24p@17Mbps MP4: HD - 1440 x 1080/ 30fps@12Mbps VGA - 640 x 480/ 30fps@3Mbps
Audio Format	Dolby Digital (AC-3) / MPEG-4 AAC-LC, 2ch
Microphone/Speaker	Built-in stereo microphones / Built-in, monaural speaker (volume settings in 8 steps between 0 and 7)
Still Image File Format	JPEG (DCF Ver. 2.0, Exif Ver.2.3, MPF Baseline compliant), RAW (Sony ARW 2.3 format)

Optics/Lens

Lens Mount Type	Sony E-mount lenses
Digital Zoom	Approx. 4x (still images and movie) Smart Zoom (M: approx. 1.4x, S: approx. 2x)
Smart Zoom® Technology	M: approx. 1.4x, S: approx. 2x

Viewfinder

Type	1.3 cm (0.5 type) Electronic viewfinder, 2,359,296 dots, Approx. 23mm from the eyepiece, 21mm from the eyepiece frame at -1m ⁻¹ (diopter). Display: Basic info, levels, histogram. Brightness control: Auto, Manual (3 steps between -1 and 1)
Diopter Adjustment	-4m ⁻¹ to +1.0m ⁻¹ (diopter)
Field of View	100% coverage

LCD Display

LCD Type	3.0" (7.5cm) wide type TFT (921,600 dots)
Angle Adjustment	Up: Approx. 90 degrees, Down: Approx. 45 degrees
Brightness Control	Manual (5 steps between -2 and +2), Sunny Weather mode
Real-time image adjustment display	On/Off
Peaking	Yes (Level setting: High/Mid/Low/Off, Color: White/Red/Yellow)
Customization	Graphic display/Display all info/Big font size display/No display info/Levels/Histogram/Viewfinder

Focus Control

Focus System	Fast Hybrid AF (phase-detection AF/contrast-detection AF) with "Exmor" APS HD CMOS sensor
Focus Points	99 points (phase-detection AF), 25 points (contrast-detection AF)
AF Modes	AF-S: Single-shot AF, AF-C: Continuous AF
Focus Area	Multi Point (99 points(phase-detection AF), 25 points(contrast-AF)), Center-weighted, Flexible Spot
Focus Sensitivity	0 EV to +20 EV (at ISO100 conversion with F2.8 lens attached)
Manual Focus Assist	Yes MF assist (4.8x, 9.6x)
Focus Features	Predictive control, Focus lock, Eye-Start AF (with LA-EA2(Sold separately))
AF Illuminator	Built-in, LED type (with a range of approx. 0.3-3.0m (with E PZ16-50mm F3.5-5.6 OSS attached))

Exposure System

Picture Effect(s)	11 types (15 variations): 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
Auto Exposure Lock	AE is locked when the shutter button is half pressed (ON/OFF is available in MENU)
Creative Style	Standard, Vivid, Portrait, Landscape, Sunset, B/W (Contrast (-3 to +3steps), Saturation(-3 to +3steps), Sharpness(-3 to +3steps))
Exposure Bracketing	With 1/3, 2/3, 1, 2, 3EV increments, 3 frames
Exposure Compensation	Still images: +/- 3.0EV (1/3EV steps), Movies: +/- 2.0EV (1/3EV steps)
Exposure Settings	iAUTO, Superior Auto, Programmed AE (P), Aperture priority (A), Shutter-speed priority (S), Manual (M), Sweep Panorama, Scene Selection
ISO	Still images: Auto (ISO 100-3200), Selectable (ISO 100-25600) Movies: Auto (ISO 100-3200), Selectable (ISO 100-6400)
Metering	1200-zone evaluative metering
Metering Modes	Multi-segment, Center-weighted, Spot
Metering Sensitivity	0EV-20EV, (at ISO 100 equivalent with F2.8 lens)
Noise Reduction	Long Exposure NR: (On/Off, available at shutter speeds longer than 1 second) High ISO NR: (High/Normal/Low)
Scene Mode(s)	Portrait, Landscape, Macro, Sports Action, Sunset, Night Portrait, Night View, Handheld Twilight, Anti Motion Blur
White Balance Mode	Auto WB, Daylight, Shade, Cloudy, Incandescent, Fluorescent, Flash, C.Tem (2500 to 9900K), C.Filter (G7 to M7, A7 to B7), Custom

Drive System

Burst Buffer	When used with SD (UHS-I compliant) memory card Continuous shooting Hi: Extra FINE 15, FINE 24, STD 29, RAW 15, RAW+JPEG 12 Tele-zoom Continuous Advance Priority AE (8 fps): Extra FINE 20, FINE 28, STD 31, RAW 19, RAW+JPEG 18 Tele-zoom Continuous Advance Priority AE (10 fps): Extra FINE 20, FINE 26, STD 28
	When used with Memory Stick PRO-HG Duo Continuous shooting Hi: Extra FINE 14, FINE 18, STD 20, RAW 13, RAW+JPEG 11 Tele-zoom Continuous Advance Priority AE (8 fps): Extra FINE 17, FINE 20, STD 24, RAW 17, RAW+JPEG 16 Tele-zoom Continuous Advance Priority AE (10 fps): Extra FINE 18, FINE 22, STD 24
Continuous Shooting Speed	Continuous mode: max. 3 fps Speed Priority Continuous Shooting: max. 10 fps
Drive Mode	Single-shot, Continuous shooting, Speed Priority continuous shooting, Self-timer (10/2s delay selectable), Self-timer (10/2s delay 3/5 exposures selectable), Bracketing, Remote Cdr
Flash Sync Speed	1/160 s
Self-timer	2s or 10s delay (single, continuous 3 or 5 frames)
Shutter Speeds	Still images: 1/4000 to 30s (Bulb). Movies: 1/4000 to 1/4 (1/3 steps) up to 1/60 in AUTO mode (up to 1/30 in Auto slow shutter)
Shutter Type	Electronically-controlled, vertical-traverse, focal-plane type

Flash

Flash Compensation	+/- 2.0EV (1/3EV steps)
Flash Coverage	FOV coverage up to 16 mm (in the focal length)
Flash Modes	Autoflash, Fill-flash, Rear sync., Slow sync., Rear Sync., Flash Off, Wireless (with external flash sold separately)
Flash Type	Built-in flash. Sony System Flash (Compatible with Multi Interface Shoe and Auto-lock accessory shoe with the adaptor(ADP-MAA(Sold separately)))
Guide Number	6 (in meters at ISO 100 equivalent)
Recycling Time	Approx. 4 sec.

Convenience Features

Still Image Playback Options	Single, 6/12-frame index view, Enlarged display mode, Panorama (Standard), Panorama (Wide): 34x, Auto Review, Image orientation, Slideshow, Panorama scrolling, Folder selection, Delete, Protect
Video Playback Options	Forward/Rewind

Advanced Features

Face Detection	On/On (Regist. Faces)/Off, Face Selection (maximum 8 detectables)
Smile Shutter™ technology	Smile shutter (selectable from 3 steps)
Tracking Focus	Yes (object tracking)
Advanced User Interface	Easy-to-understand Graphic Display and on-screen Help Guide User-friendly function menu
Anti Motion Blur	6-image layering
Auto High Dynamic Range	Yes, (Auto Exposure Difference, Exposure difference Level (1.0-6.0 EV at 1.0 EV step), off)
Shooting Tips	Yes
Sweep Panorama	Horizontal (Wide/Standard), Vertical (Wide/Standard)

Interface

Accessory Shoe	Yes (with the adaptor ADP-MAA(Sold separately)). Multi Interface Shoe.
BRAVIA® Sync™	Yes, via HDMI with compatible BRAVIA HDTV
HD Output	HDMI® (TypeC mini), BRAVIA Sync, Photo TV HD
Memory Card Slot	Dual slot: Memory Stick PRO Duo™/Pro-HG Duo™/PRO-HG HX Duo™ media - SD, SDHC and SDXC memory card
PhotoTV HD	Yes

USB Port(s) USB2.0 Hi-speed (mass-storage, MTP)

Weights and Measurements

Dimensions (Approx.) Approx. 4 3/4 x 2 3/4 x 1 1/16" (119.9 x 66.9 x 42.6mm) (WxHxD)

Weight (Approx.) Approx. 10.1 oz (287g) (excl battery & media) Approx. 12.2 oz (345g) (w/battery & media)

Power

Battery Type InfoLITHIUM® NP-FW50 (7.2V)

Number of Still Images Approx. 270 images (Viewfinder), Approx. 360 images(LCD screen) (CIPA standard)

Power Consumption (in Operation) Still images:approx. 2.5W(w/ E PZ16-50mm F3.5-5.6 OSS lens attached), Movies:approx.3.9W(w/ E 18-55mm F3.5-5.6 OSS lens attached))

Power Consumption (in View Finder Operation) Still images: approx. 3.3W(with E PZ16-50mm F3.5-5.6 OSS lens attached), Movies: approx.4.1W(with E 18-55mm F3.5-5.6 OSS lens attached))

Software

Operating System Compatibility Windows XP SP3, Windows Vista SP2, Windows 7 SP1, Mac OS X (v10.3-10.8)

Accessories

Optional Accessories AC Adaptor AC-PW20 (sold separately)

Supplied Accessories
NP-FW50 rechargeable battery
AC-UB10 AC adaptor
Shoulder strap
Body cap
Eyepiece cup
Micro USB cable
CD-ROM

1. Records in up to 29 minutes segments.

2. In meters, ISO 100

3. Requires 3D HDTV, HDMI cable (at least 10.2 Gbps) and active 3D glasses sold separately.

5. Attaching Sony A-mount lens requires LA-EA1 (note: Autofocus available with SSM and SAM series lenses when using LA-EA1) or LA-EA2 adaptors (sold separately).

6. Compatible with BRAVIA® Sync or Theatre Sync™ HDTVs connected via HDMI®.

7. Actual performance varies based on settings, environmental conditions, and usage. Battery capacity decreases over time and use.