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 sensor size 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 auto focus for quick response that is ideal when tracking fast-moving subjects and contrast-detection auto focus for added precision. A perfect match that delivers optimal Auto Focus for fast, precise focusing in any scene.

Full HD Movies1 at 60p/60i/24p

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

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

PlayMemories Camera Apps

Supports PlayMemories Camera Apps, the world’s first application download service that lets users install new camera functions as needed.11

180-degree tilt-able 3.0” Touch LCD

The NEX-5R is equipped with a tilt-able LCD screen that flips up 180-degrees without sacrificing the compactness for which the 5-series is renowned for. This makes taking great self-portraits incredibly easy since users can precisely compose shots, choosing to include people or objects in the frame for more satisfying results.

Control Dial

Control dial, Fn (function) button and touch screen (including touch shutter function) greatly facilitate operation and getting the shot that much easier.

Picture Effect mode

There are 7 types (11 variations) of picture effects to choose from: Posterization (Color), Posterization (B/W), Pop Color, Retro Photo, Partial Color(R), Partial Color(G), Partial Color(B), Partial Color(Y), High-key, High Contrast Monochrome, Toy Camera. Each is unique and each give you a new and exciting way to make your images and videos pop.

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.

Photo Creativity Touch interface

The Photo Creativity touch 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.
### Specifications

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- **AF Sensitivity:** 0 EV to +20 EV (at ISO100 conversion with F2.8 lens attached)
- **Manual Focus Assist:** Yes MF assist (4.6x, 9.6x)
- **Focus Features:** Predictive control, focus lock, Eye-Start AF (with FDA-EV1S and LA-EA2/Sold separately)
- **AF Illuminator:** Built-in, LED type (with a range of approx. 0.5-3.0m with E P16/50mm F3.5-5.6 OSS attached)

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### Auto Exposure Lock
 AE is locked when the shutter button (half pressed) is half pressed (ON/OFF is available in MENU) |
### Creative Style
AUTO, Superior Auto, Programmed AE, Aperture priority (A), Shutter-speed priority (S), Manual (M), Sweep Panorama, Scene Select |
### Exposure Bracketing
Still Images: +/- 3.0EV (7/3EV steps), Movies: +/- 2.0EV (1/3EV steps) |
### Exposure Compensation
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
DE:20EV, (at ISO 100 equivalent with F2.8 lens attached) |
### 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.Temp (2500 to 9900K), C Filter (G7 to M7,A7 to B7), Custom

Drive System
- Single-shot, Continuous shooting, Speed Priority continuous shooting, Self-timer, Bracketing, Remote Ctrl

Self-timer
- 2s or 10s delay (single, continuous 3 or 5 frames)

Shutter Speeds
- Still Images: 1/4000 to 30 (1/3 steps) up to 1/60 in A/T mode (up to 1/30 in AUTO slow shutter)

Shutter Type
- Electronically-controlled, vertical-traverse, focal-plane type

Flash
- Flash Compensation: +/− 2.0EV (0.5EV steps)
- Flash Coverage: FOV coverage up to 16 mm (in the focal length)
- Flash Metering System: Pre-flash TTL
- Flash Modes: Autoflash, Fill flash, Rear sync, Slow sync, Rear Sync., Flash Off

Flash Type
- External flash (supplied) attachable to Smart Accessory Terminal "Smart Terminal II" (sold separately)

Guide Number
- 7 (in meters at ISO 100 equivalent)

Recycling Time
- Approx. 4 sec.

Convenience Features
- Self Timer: Yes (3 sec delay/Off selectable)
- Still Image Playback Options: Single, 6/12-frame index view, Enlarged display mode, Panorama (Standard), Panorama (Wide): 34b, Auto Review, Image orientation, Slideshow, Panorama scrolling, Folder selection, Delete, Protect
- Video Playback Options: Forward/Rewind

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)

Auto High Dynamic Range
- Yes, (Auto Exposure Difference, Exposure difference Level (1.0-6.0 EV or 1.0 EV steps), off)

Shooting Tips
- Yes

Sweep Panorama
- Horizontal (Wide/Standard), Vertical (Wide/Standard)

Interface
- HD Output: HDMII (TypeC mini), BRAVIA Sync, Photo TV HD

PhotoTV HD
- Yes

Weights and Measurements
- Dimensions (Approx.): Approx. 4 3/8 x 2 3/8 x 1 9/16 (110.8 x 56.6 x 36.9mm) (WHD)
- Weight (Approx.): Approx. 7.7 oz (218g) (exc battery & media)

Power
- Battery Type: InfoLITHIUM NP-FW50 (7.2V)
- Number of Still Images: Approx. 330 images (CIPA standard)
- Power Consumption (In Operation): Still images: approx. 2.7W/2.5W (7.2V/5.6V, 8 detectable)

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: Flash and flash case NP-FW50 rechargeable battery AC-UB10 AC adaptor Shoulder strap Body cap Micro USB cable CD-ROM

Supplied Accessories
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