

Specifications

Camera	
Lens Compatibility	Sony E-mount, operation with Minolta/Konica Minolta Maxxum A-mount lenses confirmed via optional LA-EA1/LA-EA2 adaptor
Camera Type	Interchangeable Lens Digital SLR camera
Lens Mount Type	Sony E-mount
Imaging Sensor	
Imaging Sensor	Exmor® APS HD CMOS sensor (23.5 X 15.6mm)
Processor	BIONZ™ image processor
Anti Dust	Charge protection coating on Optical Filter and ultrasonic vibration mechanism
Pixel Gross	Approx. 16.1M pixels
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™/Pro-HG Duo™ media; SD, SDHC and SDXC memory card
Color Space	Stills: sRGB, AdobeRGB Movie: xvYCC standard (x.v.Color™ when connected via HDMI cable) compatible with TRILUMINOS™ color
Still Image Mode	JPEG (Standard, Fine), RAW, RAW+JPEG
Still Image Max Effective Resolution	16.1 Megapixels
Still Image Size 16:9	L: 4912 x 2760 (7.1 MP), M:3568 x 2000(7.1 MP), S: 2448 x 1376 (3.4 MP)
Still Image Size 3:2	L: 4912 x 3264 (16 MP), M: 3568 x 2368 (8.4 MP) , S: 2448 x 1624 (4 MP)
Panorama Still Image Size	Horizontal Wide: 12,416 x 1,856 (23M), Horizontal Std.: 8,192 x 1,856 (15M), Vertical Wide: 2,160 x 5,536 (12M), Vertical Std.: 2,160 x 3,872 (8.4M), 3D Sweep Panorama: N/A
Video Mode	AVCHD / MP4 (MPEG-4 AVC (H.264))
Video Resolution	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/ 30p @ 12Mbps VGA - 640 x 480/ 30p @ 3Mbps
Video Signal	NTSC color, EIA standards
Audio Format	Dolby Digital (AC-3) / MPEG-4 AAC-LC
Microphone/Speaker	Built-in Stereo Microphone/ 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 2.3format)
Optics/Lens	
Lens Type	Sony E-mount
Lens Mount Type	Sony E-mount lenses
Lens Stabilization	Optical SteadyShot
Aperture (Max.)	f/3.5 - 5.6
Aperture (Min.)	f/22 - F32
Optical Zoom	Approx. 3x
Digital Zoom	Approx. 4x
Focal Length (35mm equivalent)	24mm-77mm
Filter Diameter	40.5mm
Lens Groups-Elements	8 groups, 9 elements (4 aspheric surfaces)
Minimum Focus Distance	9-13/16" (.25m) (W) - 11-13/16" (0.3m) (T)
AF for Movie Capture	Contrast AF
Angle of View	83°-32°
Aperture Blade	7 Blades
Aspheric Elements	1 ED element, 3 aspheric elements
Dimensions (Max. Diameter x Length)	2-5/8" x 1-13/16 (64.7 x 29.9mm)
Direct Manual Focus	Yes
Exterior Finish	Black (NEX-5T/B)
Lens Weight	4.1 oz (116 g.)
Low Noise During Movie Capture	Yes
Maximum Magnification	0.215x
Mount Material	Metal
EV Compensation	Still images: +/-3.0 EV(1/3EV steps selectable) Movies: +/-2.0 EV(1/3EV steps selectable)
Macro Mode	Yes
Magnification	0.215x
LCD Display	
LCD Type	3.0" (7.5cm) Touchscreen TFT LCD (921,600 dots)
Angle Adjustment	Tilt angle: Up: 180 degrees; Down: Approx. 50 degrees
Brightness Control	Auto, Manual (5 steps between -2 to +2)
Coverage	100%
Live View	Continuous Live View
Real-time image adjustment display	On/Off
Histogram	Yes (On/off)
Peaking	Yes (Level setting: High/Mid/Low/Off, Color: White/Red/Yellow)
Grid Display	Yes (Rule of Thirds, 4x6 Square, Diagonal 4x6 Square Grids, Off)
Customization	Grid, Histogram display, Digital Level Gauge, Grid Line, Magnified display for playback
Touch Panel	Yes
Focus Control	
Focus System	Fast Hybrid AF (phase-detection AF/contrast-detection AF)
Focus Points	99 points (phase-detection AF), 25 points (contrast-detection AF)
AF Modes	Single-shot AF(AF-S), Continuous AF(AF-C), Auto Focus, Direct Manual Focus (DMF), Manual Focus
Focus Area	Multi Point AF (99 points for phase-detection AF, 25 points for contrast-detection AF), Center-weighted, Flexible, Spot
Focus Sensitivity	EV 0 to 20 EV (at ISO100 equivalent, with F2.8 lens attached)

Manual Focus Assist	MF Assist (4.8x, 9.6x)
Focus Features	Predictive control (AF-A, AF-C), Focus Lock
AF Illuminator	Yes (with built-in LED type)
Exposure System	
Picture Effect(s)	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
Auto Exposure Lock	Yes (AE Lock button). Can be disabled from menu
Color Temperature	2500 – 9900K with 15-step each Magenta/Green compensation (G7 to M7), Amber/Blue (A7 to B7), Custom
Creative Style	Standard, Vivid, Portrait, Landscape, Sunset, Black White (Contrast (-3 to +3steps), Saturation(-3 to +3steps), Sharpness(-3 to +3steps)
D-Range Optimizer	Yes: (Auto, Level, Off)
Exposure Bracketing	3 continuous or single shots in 1/3 or 2/3 EV steps
Exposure Compensation	Still images: +/-3.0 EV(1/3EV steps selectable) Movies: +/-2.0 EV(1/3EV steps selectable)
Exposure Settings	iAUTO, Superior Auto, Programmed AE (P), Aperture priority (A), Shutter-speed priority (S), Manual (M), Sweep Panorama, Scene Selection
ISO	Still: ISO 100-25600 selectable in 1 EV steps, Auto (100-3200) Movies: ISO 100-6400 selectable in 1 EV steps, Auto (100-3200)
Metering	Advanced 1200-zone evaluative metering
Metering Modes	Multi-segment, Center-weighted, Spot
Metering Sensitivity	EV 0 to 20 EV (at ISO100 equivalent, with F2.8 lens attached)
Noise Reduction	Long exposure NR: available of shutter speeds longer than 1 sec
Scene Mode(s)	Portrait, Landscape, Macro, Sports Action, Sunset, Night Portrait, Night View, Hand-held Twilight, Anti Motion Blur
White Balance Mode	Auto, Daylight, Shade, Cloudy, Incandescent, Fluorescent, Flash, Color temperature range 2500 to 9900K, Custom
Drive System	
Burst Buffer	JPEG Standard (11 shots) JPEG Fine (11 shots) RAW (10 shots) RAW+JPEG (9 shots)
Continuous Shooting Speed	Speed Priority Continuous mode: 10 fps
Drive Mode	Single-shot, Continuous, Speed Priority Continuous, Self-timer (10/2 sec. delay), Self-timer (Cont.) (with 10 sec. delay; 3/5 exposures), Bracketing
Self-timer	2-sec. or 10-sec. delay
Shutter Speeds	Still images: 1/4000 to 30 sec, 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 mode)
Shutter Type	Electronically-controlled, vertical-traverse, focal-plane shutter
Flash	
Flash Bracketing	±2.0 EV
Flash Compensation	±2.0 EV (switchable between 1/3 EV steps)
Flash Coverage	16 mm (focal length printed on lens body)
Flash Metering System	Pre-flash TTL
Flash Modes	Flash off, Auto flash, Fill-flash, Slow Sync., Rear Sync., Red-eye reduction (on/off selectable)
Flash Type	External flash (supplied) attachable to Smart Accessory Terminal2
Guide Number	7 (in meters at ISO100)
Recycling Time	Approx. 4 sec.

Convenience Features	
Self Timer	Yes
Red-Eye Reduction	Yes
Erase/Protect	Yes
Media/Battery Indicator	Yes
Power Save Mode	Yes
Still Image Playback Options	Slideshow, Panorama scrolling, Folder selection (Still)
Video Playback Options	Forward/Rewind (movie)
Multiple Language Display	Yes
View Index	Single (with or without shooting information), RGB histogram and highlight/shadow warning, 4/9-frame index view, Enlarged display mode (L: 13.6x, M: 9.9x, S: 6.8x), Auto Review (10/5/2sec, Off), Image orientation (On/Off), Slideshow, Panorama scrolling, Folder selection (still), Forward/Rewind (movie), Delete, Protect
Advanced Features	
Face Detection	On, Off, Face Registration, Face Selection; maximum eight faces detected
Smile Shutter™ technology	Smile shutter (selectable from 3 steps)
Image Stabilization	Lens-based (where applicable)
Intelligent Auto	Yes
Wi-Fi	Yes
x.v.Color™	x.v.Color™ when connected via HDMI cable
Superior Auto	Yes
Tracking Focus	Yes
Anti Motion Blur	Yes
Auto High Dynamic Range	Yes, (Auto Exposure Difference, Exposure difference Level (1-6 EV at 1.0 EV step), off)
Photo Creativity	Yes
Priority Setting (for Face Detection)	Yes (eight faces max)
Shooting Tips	Yes
Sweep Panorama	Horizontal (Wide/Standard), Vertical (Wide/Standard)

1. Records in up to 29 minutes segments.

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.

8. Requires compatible BRAVIA® HDTV and cable sold separately.

9. Auto Focus function available with Sony E-Mount lenses and Sony A-mount SSM and SAM series lenses when using LA-EA1.