

Lens Mount	E-mount
Image Sensor	APS-C (23.5 x 15.6mm) Exmor CMOS
Effective Pixels	24.3 MP
Total Pixels	24.7 MP
Maximum Resolution	6000 x 4000
Aspect Ratio	3:2, 16:9
Still Image File Format	JPEG (DCF Ver. 2.0, Exif Ver.2.3, MPF Baseline compliant), RAW (Sony ARW 2.3 format), RAW & JPEG
Image Processing Engine	BIONZ X
Digital Zoom	1.4x, 2x, 4x, 5.7x, 8x
Storage Media	Memory Stick PRO Duo / PRO-HG Duo / XC-HG Duo, SD/SDHC/SDXC
Viewfinder Type	None
Shutter Type	Electronically-controlled, vertical-traverse, focal-plane
Shutter Speed	Still Images:1/4000 to 30 sec. (30 sec. in Bulb mode) Movies: 1/4000 to 1/4 sec. (1/3 steps) AUTO mode: Up to 1/60 sec. Auto slow shutter mode: Up to 1/30 sec.
Flash Sync Speed	1/160 sec.
Drive Modes	Single, Continuous (High/Low), Bracketing (Single/Continuous)
Top Continuous Shooting Rate	6.0 fps for up to 56 (JPEG Fine L) or 23 (RAW) frames
Self-Timer	10 sec., 2.0 sec.
Interval Recording	Not specified by manufacturer
Exposure Metering	1,200-zone evaluative metering Sensitivity: EV -1 to EV 20 (at ISO 100 equivalent with f/2.0 lens)
Metering Modes	Multi-segment, Center-weighted, Spot

Exposure Modes	iAUTO, Superior Auto, Programmed AE (P), Aperture priority (A), Shutter-speed priority (S), Manual (M), AE Lock, HDR, Sweep Panorama Scene Selection: Portrait, Sports Action, Macro, Landscape, Sunset, Night Scene, Handheld Twilight, Night Portrait, Anti-Blur
Exposure Compensation	Dynamic Range Functions: Off, Dynamic Range Optimizer (Auto/Level (1-5)), Auto High Dynamic Range (Auto Exposure Difference, Exposure Difference Level (1.0-6.0 EV, 1.0 EV step)) Still Images: - 3.0 to + 3.0 EV in 1/3 EV steps Movies: - 2.0 to + 2.0 EV in 1/3 EV steps
Exposure Bracketing	Single, with 1/3, 1/2, 2/3, 1.0, 2.0, 3.0 EV increments, 3/5 frames (1.0, 2.0, 3.0 EV: only 3 frames) selectable
ISO Sensitivity	Still Images: Auto, 100-25,600 in 1/3 EV steps Movies: Auto, 100-12,800 in 1/3 EV steps
Autofocus System	Fast Hybrid AF (phase-detection, contrast-detection) with Touch AF capability
Number of Focus Points	Phase-Detection AF: 179 points Contrast-Detection AF: 25 points
Focus Modes	AF-A (Automatic AF), AF-S (Single-shot AF), AF-C (Continuous AF), DMF (Direct Manual Focus), MF (Manual Focus), Focus lock, Face detection AF Area: Zone / Center / Flexible Spot (S/M/L) / Lock-on / Eye
Built-In Flash	Yes Guide Number: 13.1' / 4.0 m at ISO 100 Coverage: 16mm
Flash Modes	Pre-flash TTL, Auto, Fill, Slow Sync, Rear Sync, Red-Eye Reduction, Off
Flash Compensation	From - 2.0 to +2.0 EV (1/3 EV steps)
Flash Bracketing	1/3, 1/2, 2/3, 1.0, 2.0, 3.0 EV steps, 3/5 frames (1.0/2.0/3.0 EV: only 3 frames) selectable
External Flash Interface	None

White Balance Modes	Auto, Daylight, Shade, Cloudy, Incandescent, Fluorescent, Warm White / Cool White / Day White / Daylight, Flash, Underwater, Color Temperature <2500 to 9900K>, Color Filter <G7 to M7(15-step) / A7 to B7 (15-step)>, Custom
	Bracketing: 3 frames, H/L selectable
	Yes, including Dual Video REC function
	Resolution and frame rate:
	XAVC S:
	1280 x 720p / 120 fps, 50 Mbps
	1920 x 1080p / 60 fps, 50 Mbps / 30 fps, 50 Mbps / 24 fps, 50 Mbps
	AVCHD:
Movie Recording	1920 x 1080p / 60 fps, 28 Mbps, PS / 24 fps, 24 Mbps, FX / 24 fps, 17 Mbps, FH
	1920 x 1080i / 60 fps, 24 Mbps, FX / 60 fps, 17 Mbps, FH
	AVC MP4:
	1440 x 1080 / 30 fps, 12 Mbps
	VGA:
	640 x 480 / 30 fps, 3 Mbps
	XAVC S: MPEG-4 AVC/H.264
File Format	AVCHD: MPEG-4 AVC/H.264
	MP4: MPEG-4 AVC/H.264
Audio Recording	Yes, with video via built-in stereo mic
	XAVC S: LPCM 2ch
Audio File Format	AVCHD: Dolby Digital (AC-3) 2ch, Dolby Digital Stereo Creator
	MP4: MPEG-4 AAC-LC 2ch
External Microphone Input	No
Headphone Jack	No
Maximum Recording Time	Continuous: 29 min.
	3.0" wide TFT Vari-Angle LCD Touchscreen with WhiteMagic technology (921,600 dots)
Monitor	Tilt: 180 degrees up
	Brightness Control: Manual (5 steps between -2 and +2), Sunny Weather mode
	Histogram, Zebra, Peaking MF, Grid Lines

Interface	HDMI micro (Type-D) Out (1920 x 1080 / 60p / 60i, YCbCr 4:2:2 8-bit / RGB 8-bit, BRAVIA Sync control), Multi/Micro-USB, PC remote
Wi-Fi	Yes, 802.11b/g/n, 2.4 GHz band View on smartphone/computer/TV
NFC	Yes, one-touch remote, one-touch sharing
Remote Control	Optional
Power Source	NP-FW50 Lithium-Ion Rechargeable Battery Pack (7.4 V, 1080 mAh; included) AC Adapter AC-UB10 (included) AC Adapter AC-PW20 (not included)
Dimensions	4.3 x 2.5 x 1.4" / 109.6 x 62.8 x 35.7mm
Weight	With battery and memory card: 10 oz / 283 g Body only: 7.9 oz / 224 g

see more at <http://thenewcamera.com/tag/sony-a5100/>