

# SONY ALPHA - $\alpha$ 100

## 2006



Serial Nr.2018615

### Characteristic and functions

**Type of device:** reflex camera type DSLR with interchangeable lenses with inter-line CCD sensor in primary colors 23.6x15.8mm. Autofocus with multi-programm AE exposure.

**Lens mount:** bayonet, Sony  $\alpha$  ring. Compatibility with Minolta and Konica-Minolta lenses with type A bayonet mount. The lens release button is located to the left of the lens port.

**Camera:** Total pixels of the sensor 10.8 megapixels  
Effective pixels 10.2 megapixels  
A / D conversion: 12 bits depth  
Automatic white balance  
Preset Selection White Balance Day, Shade, Cloudy,  
Tungsten, Fluorescent, Flash

White balance with custom setting

White balance: color temperature types 2500 - 9900K with magenta / green compensation in 19 steps

White balance bracketing 3 frames, 2 selectable steps.

**ISO sensitivity setting:** Auto, equivalent to ISO 100 / 200 / 400 / 800 / 1600.

**Super SteadyShot:** Type of device: reflex camera type DSLR with interchangeable lenses with inter-line CCD sensor in primary colors 23.6x15.8mm. Autofocus with multi-programm AE exposure.

**Lens mount:** bayonet, Sony  $\alpha$  ring. Compatibility with Minolta and Konica-Minolta lenses with type A bayonet mount. The lens release button is located to the left of the lens port.

**Camera:**

Total pixels of the sensor 10.8 megapixels

Effective pixels 10.2 megapixels

A / D conversion: 12 bits depth

Automatic white balance

Preset Selection White Balance Day, Shade, Cloudy,

Tungsten, Fluorescent, Flash

White balance with custom setting

White balance: color temperature types 2500 - 9900K with magenta / green compensation in 19 steps

White balance bracketing 3 frames, 2 selectable steps

ISO sensitivity setting: Auto, equivalent to ISO 100 / 200 / 400 / 800 / 1600.

**Dust protection:** double anti-dust system with antistatic coating and CCD-shift stabilization mechanism.

**Autofocus system:** TTL detection, CCD line sensors (9 points, 8 lines with central grating sensor).

Sensitivity range from EV 0 to EV 18 for equivalent of 100 Iso.

Gaze activated auto focus (ON / OFF selectable).

Auto focus area with auto-enlarged focus with 9 areas.

Autofocus area: Spot with central cross sensor.

Auto focus area with local focus area selection (9 local areas).

Continuous autofocus, single shot, automatic, DMF (direct manual focus) and manual focus modes.

Predictive focus control (Predictive System - Minolta patent) with moving subjects in AF-A and AFC.

Focus lock by means of the AEL button located on the back of the camera at the far right, at the top.

AF illuminator with built-in flash with a range of up to 5 meters.

**Automatic exposure system:**

TTL light metering type

SPC light measuring cell on 40-segment honeycomb pattern

Light metering: multi-segment

Light metering: Spot

Light metering: center preference

Exposure: Automatic

Exposure: Automatic Program

Exposure: Shutter Priority

Exposure: Aperture Priority

Exposure: Manual

Exposure: with scene selection

AE lock.

Exposure correction +/- 2.0 EV, in steps of 0.3 EV.

AE Bracketing In 0.3 EV / 0.7 EV increments at 3 frames with Drive mode set.

**Shutter:** electronically controlled, vertical translation, on the focal plane.

Shutter speed from 1/4000 of a second to 30" with B (Bulb) exposure.

Flash sync speed (with Super SteadyShot off) of 1/160".

Flash sync speed (with Super SteadyShot activated) equal to 1/125".

**Integrated Flash:** Flash guide number 12 (in meters at ISO 100 equivalent).

Flash metering system: ADI flash metering / TTL pre-flash.

Flash compensation +/- 2.0 EV, in steps of 0.3 EV.

Approximate recycling time 3 seconds.

Flash modes Auto flash, fill flash, rear sync, wireless off-camera (with HVLF56AM, F36AM flash).

Wireless flash mode (with optional HVL-F56AM and HVLF36AM flashes).

Slow synchronization with immediate access by means of the AEL button.

Red-eye reduction. Manual retractable flash.

Auto Flash with Auto, P and Scene Select modes.

**Viewfinder:** fixed system at eye level with roof-type mirrored pentaprism.

Spherical Acute Matte focusing screen, 95% field of view of that framed.

Magnification: 0.83 (with 50mm lens at infinity)

Eye relief Approx. 20 mm from the lens; 16 mm from the lens frame at -1 diopters. Diopter adjustment from -2.5 to +1.0.

**LCD display:** screen size 2.5 inch TFT display type.

Total number of points in liquid crystal display 230,000.

Liquid crystal display on / off and adjustable brightness.

**Recording:** Drive mode Single frame advance, continuous advance, 10 and 2 second self-timer, AE bracketing with frame advance single, continuous advance AE bracketing, white balance bracketing.

Continuous advance speed approximately 3 frames per second (test conditions: large format, fine mode, manual focus, shutter speed greater than 1/250 sec.).

Continuous feed speed RAW: max. 6 frames; RAW + JPEG: max. 3 frames; JPEG L / M / S: no limit (depends on media writing speed and shooting conditions).

CF™ Type I / II Recording Media (MicroDrive); Memory Stick Duo™ e

Memory Stick PRO Duo™ for use with the Memory Stick Duo™ CF™ slot adapter.

Recording format JPEG, RAW 10 megapixel RAW: 3880 x 2600

Large Image Size - 10 megapixel JPEG: 3872 x 2592

Average image size 5.6 megapixels 2896 x 1936

2.5 megapixel small image size: 1920 x 1280

Still Image Quality RAW, RAW + JPEG, Standard (JPEG), Fine (JPEG)

Noise Reduction (Long Exposure Noise Reduction) available when the shutter speed exceeds 1 second.

Function to delete single image, multiple or all the frames contained in a folder.

Ability to erase the memory card.

Folders can be deleted in File mode.

Browser. Color space (sRGB). Color space (Adobe® RGB)

Color / DEC / Creative Styles modes STD, Vivid, Portrait, Landscape, Sunset,

Black and white, Adobe® RGB. With the exception of Adobe® RGB, all other color modes use the sRGB color space.

Dynamic Range Optimizer: Off / Standard Mode / Advanced Mode. Possibility of printing date and time.

**Play/Edit:** Information display white / blackout warning. 4-, 9- or 16-frame index playback and folder select function.

Maximum magnification 12x (L) 9x (M) 6x (S). Image rotation. Auto Image Rotation.

**Overall:**

Remaining battery level indicator. InfoLITHIUM battery indicator not present. Histogram. Exif 2.21, print Exif. PictBridge.

Menu with choice of language between: English / French / German / Spanish / Italian / Portuguese / Dutch / Russian / Swedish / Danish / Norwegian / Finnish / Polish / Czech / Hungarian.

Zone correspondence. Depth of field preview. PRINT Image Matching III. Remote release terminal. DPOF (DigitalPrint Order Format).

Remaining memory capacity indicator (CF™). Acoustic signal selectable ON / OFF. File number memory ON / OFF selectable. Standard folder name and date mode.

Operating temperature 0 - 40 ° C.

**Connections:**

Composite video output (PAL or NTSC). Hi-Speed USB 2.0.

USB mode Mass storage (PC connection) / PTP (PictBridge).

**Power Supply:**

NP-FM55H Lithium Ion Battery System. Supplied Battery Lithium Ion NP-FM55H. Autonomy (CIPA standard battery life) 750 shots.

**Dimensions:** Width 133.1mm. Height 94.7mm. Thickness 71.3mm.

**Weight:** 545g. Without lens and without battery.

