

DSLR-A200

Digital Single-Lens Reflex Camera (body)

Specifications

General

Megapixel: 10.2MP
 Imaging Device: 10.2 (effective) APS-C CD Sensor; 23.6 x 15.8 mm; RGB primary color filter

Convenience

White Balance: Auto plus 8 Modes (Daylight, Shade, Cloudy, Tungsten, Fluorescent, Flash, Color Temperature/Color Filter, Custom), each with ± 3 adjustable step.
 Self-Timer: Yes (10 seconds, 2 seconds, OFF)
 Red-Eye Reduction: On/Off (all modes)
 Burst Mode: Up to 3FPS; Unlimited to capacity of media (1 PEG, 1/M/5); Maximum 3 frames (RAW+); PEG(1); Maximum 6 frames (RAW)
 Color Mode(s): Standard, Yield, Portrait, Landscape, Night view, Sunset, Black & White, Adobe RGB (Except for Adobe RGB, all other color modes use the sRGB color space)

Convenience Features

Histogram Display: Yes - RGB, playback only
 AF Illuminator Light: Yes, On/Off Select
 Multi-Frame Measuring: 40 Segment, Center Weighted, Spot
 Clear RAW NR: N/A
 Scene Mode(s): Portrait, Landscape, Sunset, Night View, Night Portrait
 Movie Mode(s): N/A

Inputs and Outputs

USB Port(s): Yes, Supports USB 2.0 Hi-Speed
 Output(s): Video: Yes, NTSC/PAL Selectable

Hardware

LCD: 2.7" TFT (230k pixels) LCD with "Clear Photo"™ design
 Viewfinder: Optical; TTL, 0.83x magnification with 50mm lens at infinity; 95% coverage
 Microphone: N/A

Operating Conditions

Flash Effective Range: GN12 at ISO 100 (39 feet/ 12 meters)
 Flash Mode(s): Built-in Auto Pop-up; Auto, Fill-flash, Rear flash sync, Slow Sync, High Speed Sync, Wireless off-camera flash (with flash HVL-F56AM, F56AM)

Optics/Lens

Focus: Auto Focus: TTL Phase Detection, Multi-point; 9 Area, 8 Line, 1 Cross Sensor, Auto Focus Mode: Yes, Adjustable Spot AF; Selectable
 Sensor, Visual Focus Confirm: Direct via Spherical Acute Matte Screen
 Shutter Speed: 30 < 1/4000 sec, 1/2 step, Bulb
 ISO:
 Auto: 100/200/400/800/1600/3200
 EV Compensation: ± 2.0 EV, 1/3 EV Steps

Exposure: Program Shift: Yes, Command Dial
 Lens Type: Interchangeable Amount

Power

Battery Type: NP-FM500H Lithium-ion rechargeable battery
 Battery Capacity: 7.2V, 1600 mAh; CIPA standard: approx. 750 pictures¹

Service and Warranty Information

Limited Warranty Term: 1 Year Parts & Labor

Software

Supplied Software: Image Data Converter SR ver.2.0, Image Data Lightbox SR ver.1.0, (all Windows & Macintosh), Picture Motion Browser ver.2.1.02 (Windows only)
 Operating System Compatibility: Microsoft® Windows® 2000 Professional, ME, XP Home and Professional; Macintosh® OS X (v 10.3 or later). OS must be installed at the factory.

Processor

BIONZ™ Engine: Yes (LSI with Dynamic Range Optimizer (DRO/DRO-II))

Dimensions

Weight: 1 lb., 3 oz (545g) body, not including battery, lens and media
 Measurements: (WHD) 5 1/4" x 3 3/4" x 2 7/8" (133 x 95 x 71 mm)

Supplied Accessories

NP-FM500H rechargeable battery
 BC-VM10 battery charger
 Video and USB cables
 Shoulder strap with eyepiece cap and Remote Commander clip
 Body cap
 Software/USB Driver CD-ROM
 NOTE: No Memory Stick media nor adaptors are included.
 NOTE: No lens included

Optional Accessories

Compact Flash Card (PC/FB5G)
 External Flash (HVL-F56AM)
 External Flash (HVL-F56AM)
 M Series Lithium Battery (NP-FM500H)
 Vertical Grip (VG-800AM)
 AC Adaptor/Charger (AC-VG800AM)

Color: Black



1. Viewable area measured diagonally.
 2. Actual results may vary based on preview settings, image patterns and environmental conditions.
 3. Photo reproduction requires output via supplied Sony USB connection cable with select Sony BRAVIA and HDTV. HDTV sold separately.

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Sony Alpha A200 User Manual

Emilie Sanchez



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web kunststoffverarbeitung unter dem begriff der kunststoffverarbeitung versteht man die fertigung von formteilen halbzeugen folien fasern usw aus kunststoff dabei werden kunststoffe aus der produktion der chemischen industrie verarbeitet die handelsüblich zum beispiel als granulat bzw masterbatch pulver folie oder in plattenform

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web die kunststoffverarbeitung bezeichnet die fertigung von formteilen halbzeugen fasern oder folien aus kunststoffen dabei werden aus verschiedenen formhaften materialen durch unterschiedliche prozesse neue formen gewonnen die fertigungsverfahren werden in deutschland nach din 8580 eingeteilt

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web die systematik zur einteilung der fertigungsverfahren nach din 8580 gilt auch für die fertigungsverfahren der kunststoffverarbeitung da es sich jedoch vorwiegend um spezielle nur bei kunststoffen anwendbare verfahren handelt werden sie

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web die kunststoffverarbeitung ist gegenstand eines eigenständigen industriezweiges es kommt eine vielzahl von verfahren zum einsatz die teilweise ihren ursprung in der wesentlich älteren metallbearbeitung haben und auf die eigenschaften der

kunststoffe abgestimmt und weiterentwickelt wurden

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web die kunststoffverarbeitung bezeichnet die fertigung von formteilen halbzeugen fasern oder folien aus kunststoffen die von der chemischen industrie meist als granulat pulver folien oder platten geliefert werden die fertigungsverfahren werden in deutschland nach din 8580 eingeteilt

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web die vorstehende zeittafel der kunststoffe geht auf eine reihe von früheren zusammenstellungen des kunststoff museums vereins zurück sie kann natürlich nicht vollständig sein wurde aber an hand von originalpublikationen monographien und firmenschriften überarbeitet ergänzt und soweit notwendig korrigiert

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web so werden meist pulver oder granulate zur verarbeitung erwärmt gegossen gespritzt extrudiert kalandriert beblasen aufgeschäumt oder gepresst thermoplastische kunststoffe die meist als pulver oder granulat vorliegen werden zur verarbeitung über den erweichungspunkt hinaus erwärmt und dann in formen gegossen in denen sie zu

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web für die meisten kunststoffe folgt der synthese bei den rohstoffherstellern die davon völlig getrennte verarbeitung dies bedeutet dass abkühlung und erneute aufheizung sowie transport manchmal mehrfach dazwischen liegen ausnahmen bilden bisher

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web als kunststoffverarbeitung wird die herstellung von kunststoffprodukten bezeichnet dies geschieht insbesondere durch die fertigung von formteilen halbzeugen fasern oder folien aus kunststoffen die von der chemischen industrie meist als granulat masterbatch pulver folien oder platten geliefert werden

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web oct 15 2013 in diesem spannungsfeld zwischen form material und verarbeitungstechnik gehören daher auch kenntnisse der kunststoffverarbeitung zum grundwissen eines materialwissenschaftlers das folgende kapitel wird daher einen kurzen einführenden Überblick in die wesentlichen grundbegriffe der kunststoffverarbeitung geben

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web verarbeitung von kunststoffen das wichtigste kunststoffe bestehen aus polymeren und können in linearer verzweigter und vernetzter form vorkommen es gibt drei arten von kunststoffen duroplaste elastomere und thermoplaste das erste verarbeiten von kunststoff in form von granulat oder pulver heißt urformen