

II. SUMMARY OF NEW AND IMPROVED FEATURES

- World's smallest and lightest full-frame digital SLR (as of August 2005)
- Full-size 12.8 megapixel Canon-designed and -manufactured CMOS image sensor with large 8.2µm square pixels for ultra-fine detail and high image quality
- Incredible value at an estimated selling price of \$3,299³ in complete Power Kit form with full software package including new Digital Photo Professional v2.0
- New Picture Style function for easy, customizable and complete image control
- DIGIC II Image Processor and 4-channel reading for fast 3 fps continuous shooting, even at full resolution
- Outstanding burst performance: 60 Large/Fine JPEG or 17 RAW frames
- Fast, 0.2 second startup
- Newly developed 9-point AF unit with 6 invisible Supplemental AF points, improved AI SERVO AF subject tracking and improved focusing from a defocused state
- 3 AF points work with f/2.8 or faster lenses for enhanced precision
- Improved 35-zone exposure metering
- Spot metering, approximately 3.5% of viewfinder area
- Rugged body built using magnesium alloy (including battery grip) and stainless steel chassis
- Compact and lightweight for a DSLR with a full-frame sensor
- New, more durable shutter rated to 100,000 shots for professional use
- New 2.5 inch, approximately 230,000 pixel, wide-view LCD monitor
- 6 selectable JPEG recording modes, RAW and simultaneous RAW+JPEG
- Interchangeable focusing screens: 3 types
- Shutter speeds to 1/8000 sec. and X sync at 1/200 sec.
- More advanced PictBridge functions
- New automatic noise reduction function
- Wide ISO range: 100 to 1,600 in 1/3 stop increments (extendable to 50 and 3,200)
- Ultra-precise white balance (9 types), WB bracketing (blue-amber and magenta-green, even on RAW and RAW+JPEG shots) and WB correction
- Full-featured INFO screen (including RGB histogram and AF frame displays)
- Quick review images enlargeable



- Powerful new Jump function for image viewing (jump by 10 or 100 images, date or folder)
- Storage of one set of frequently used camera settings
- 21 Custom functions with 57 settings
- Flexible folder creation and selection
- USB 2.0 Hi-Speed connection for fast image transfers
- Compatible with wireless/wired LAN image transmission via optional WFT-E1/E1A
- Original image verification system with optional DVK-E2
- Sculpted Canon logo, electroplated “EOS 5D” badge and higher density matte finish for quality look and feel
- Optional battery grip, BG-E4, accepts up to 2 battery packs (BP-511A/511/512/514) or a set of six AA-size batteries for long periods of continuous shooting

² As of August, 2005

³ Actual selling price will be set by dealers and may vary.

VI. SPECIFICATIONS

TYPE **Type:** Digital AF/AE SLR
Recording Media: CompactFlash (CF) Card Type I and II
Sensor Size: 1.41 x 0.94 in./35.8 x 23.9mm
Compatible Lenses: Canon EF lenses (except EF-S lenses)
Lens Mount: Canon EF mount

IMAGING ELEMENT **Type:** High-sensitivity, High-resolution, Single-plate, CMOS Sensor
Effective Pixels: Approx. 12.8 Megapixels
Total Pixels: Approx. 13.3 Megapixels
Aspect Ratio: 3:2 (Horizontal : Vertical)
Color Filter System: RGB primary color filters
IR Cut Low-pass Filter: Fixed position in front of the image sensor

RECORDING SYSTEM **File Format:** Design rule for Camera File system (JPEG) and RAW, Exif 2.21 compliant
Image Compression: JPEG and RAW
File Size (on CF Card): (1) Large/Fine: Approx. 4.6MB (4368 x 2912) (2) Large/Normal 2.3MB (4368 x 2912) (3) Medium/Fine: Approx. 2.7MB (3168 x 2112) (4) Medium/Normal: Approx. 1.4MB (3168 x 2112) (5) Small/Fine: Approx. 2.0MB (2496 x 1664) (6) Small/Normal: Approx. 1.0MB (2496 x 1664) (7) RAW: Approx. 12.9 MB (4368 x 2912)
Folder Settings: Automatic, Manual, Manual reset and folder creation, Folder selection
File Numbering: (1) Continuous numbering, (2) Auto reset, (3) Manual reset
Processing Parameters: Standard parameters plus up to three custom processing parameter sets and monochrome can be set
Color Matrix: Five Standard types, two types that can be registered with color matrix
Backup Image Recording: Enabled (Same image recordable on CF Card)
Interface: USB 2.0 Hi-Speed, NTSC/PAL for video output

WHITE BALANCE **Settings:** Auto, Preset (Daylight, Shade, Cloudy/Twilight/Sunset, Tungsten Light, White Fluorescent Light, Flash), Manual (Custom, Color Temperature)
Auto White Balance: Auto White Balance with the image sensor
Color Temperature Compensation: White balance bracketing: ± 3 stops in full-stop increments White Balance Correction: Blue/Amber bias ± 9 levels
Compensation: Magenta/Green bias ± 9 levels Blue/Amber bias and Magenta/Green bias cannot be set together during White Balance Bracketing.

VIEWFINDER **Type:** Eye-level SLR with fixed pentamirror
Coverage: Approx. 96% horizontally and vertically (coverage against JPEG Large)
Magnification: 0.71x (-1 diopter with 50mm lens at infinity)
Eyepoint: 20mm
Built-in Dioptic Adjustment: -3.0 to +1.0 diopter
Focusing Screen: Interchangeable (3 types), Standard focusing screen: Ee-A Quick-return half mirror (Transmission: reflection ratio of 40:60, no mirror cut-off with EF 600mm f/4 or shorter lens)
Mirror: Quick-return half mirror (transmittance: reflectance ratio of 40:60)
Viewfinder Information: AF (AF points, focus confirmation light), Exposure (shutter speed, aperture, spot metering circle, exposure level, AE lock, exposure compensation, AEB level), Flash (flash ready, red-eye reduction lamp on, high-speed sync, FE lock, FEB shooting, flash exposure compensation, insufficient flash warning during FE lock), White balance correction, Maximum burst, CF card full warning, CF card error warning, No CF card warning
Depth-of-Field Preview: Enabled with depth-of-field preview button
Eye-piece Shutter: None (eyepiece cover provided on strap)

AUTOFOCUS **Type:** TTL-CT-SIR AF-dedicated CMOS Sensor
AF Points: 9 AF points (plus 6 invisible Supplemental AF points)
AF Working Range: EV -0.5-18 (at ISO 100 at 68°F/20°C)
Focusing Modes: Autofocus (One-Shot AF, Predictive AI Servo AF, AI Focus AF (automatic switching between One-Shot/Predictive AI Servo AF)), Manual Focus (MF)
AF Point Selection: Manual selection, Automatic selection
Selected AF Point Display: Superimposed in viewfinder and indicated on LCD monitor
AF-assist Beam: Emitted by the dedicated Speedlite

EXPOSURE CONTROL **Metering Modes:** Max. aperture TTL metering with 35-zone SPC
(1) Evaluative metering (link to all AF points)
(2) Partial metering (approx. 8% of viewfinder)
(3) Spot metering (approx. 3.5% of viewfinder)
(4) Center-weighted average metering
Metering Range: EV 1–20 (at 68°F/20°C with 50mm f/1.4 lens, ISO 100)
Exposure Control Systems: Program AE (Shiftable), Shutter speed-priority AE, Aperture-priority AE, Full Auto, E-TTL II autoflash program AE, Manual, Manual Exposure
ISO Speed Range: Equivalent to ISO 100–1600 (in 1/3-stop increments), ISO speed can be expanded to ISO 50 and 3200
Exposure Compensation: (1) Manual, (2) AEB (Auto Exposure Bracketing) Bracketing range: ±2 stops in 1/2- or 1/3-stop increments
AE Lock: Auto: Applied in One-Shot AF mode with evaluative metering when focus is achieved Manual: By AE lock button

- SHUTTER** **Type:** Vertical-travel, mechanical, focal-plane shutter with all speeds electronically-controlled
Shutter Speeds: 1/8000 to 30 sec. (1/3-stop increments), X-sync at 1/200 sec.
Shutter Release: Soft-touch electromagnetic release
Self-Timer: 10 sec. or 2 sec. delay
Remote Control: Remote control with N3 type terminal
- FLASH** **EOS-dedicated Speedlite:** E-TTL II autoflash with EX-series Speedlite
PC Terminal: Provided
- DRIVE SYSTEM** **Drive Modes:** Single, Continuous (approx. 3 fps), Self-timer
Continuous Shooting Speed: Approx. 3 fps (at 1/250 sec. or faster for all recording quality settings)
Max. Burst: JPEG: approx. 60 frames (JPEG/Large), RAW: approx. 17 frames, JPEG+RAW: approx. 12 frames
- LCD MONITOR** **Type:** TFT color liquid-crystal monitor Monitor Size 2.5 in.
Pixels: Approx. 230,000
Coverage: 100% for JPEG images
Brightness Adjustment: 5 levels provided
- IMAGE PLAYBACK** **Image Display Format:** Single image, 9-image index, Magnified zoom (approx. 1.5x to 10x), Auto play, Auto play right after shooting
Highlight Alert: In the single image (INFO) mode, the highlight portions containing no image information will blink
- IMAGE PROTECTION AND ERASE** **Protection:** A single image can be protected or unprotected
Erase: A single image or all images stored in a CF card can be erased if they are unprotected
- MENUS** **Menu Categories:** (1) Shooting (2) Playback (3) Setup
LCD Monitor Language: 15 (English, German, French, Dutch, Danish, Finnish, Italian, Norwegian, Swedish, Spanish, Russian, Simplified/Traditional Chinese, Korean, Japanese)
Firmware Update: Enabled by the user
- POWER SOURCE** **Battery:** One Battery Pack BP-511A/BP-514/BP-511/ BP-512
Shooting Capacity: Approx. 800 (68°F/20°C), approx. 400 ((32°F/0°C)

* The above figures apply when a fully-charged Battery Pack BP-511A is used.

Battery Check: Automatic

Power Saving: Provided. Power turns off after 1, 2, 4, 8, 15, 30 min.

Back-up Battery: One CR2016 Lithium Battery

DIMENSIONS AND WEIGHT

Dimensions (W x H x D): 6.0 x 4.4 x 3.0 in./152 x 113 x 75mm

Weight: 28.6 oz./810g (Body only. Battery: 2.9 oz./82g)

WORKING CONDITIONS

Working Temperature Range: 32–104°F/0–40°C

Working Humidity: 85% or less

- All the specifications above are based on Canon's testing and measuring standards. Shooting Capacity data complies with CIPA standard.
- The camera's specifications and physical appearance are subject to change without notice.

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