

F22: Southside Camera Club Newsletter

September 2010



**September Club Meeting - 7:30pm Thursday 9th
at the Canberra Irish Club, 6 Parkinson Street, Weston**

2010 PROGRAM

PRESENTATIONS

Month	Presentation & Coordinator	
9 th Sept	Photo mounting	Norm Fisher
14 th Oct	Using flash	Claude Morson
11 th Nov	Underwater photography	Giles West & Jenny Thompson
9 th Dec	AGM + Show and Tell	

EXCURSIONS

Month	Excursion & Coordinator
Sept	Eden Giles West Overnight. Details to be confirmed.
Oct	Wee Jasper area Kim Barnabas
Nov	Orroral Valley Homestead Ken Crawford
Dec	Barbeque Details to be advised

INDUSTRY NEWS

FIRMWARE & SOFTWARE UPDATES

TAMRON TO RELEASE ABERRATION CORRECTION CAMERA RAW PLUG-IN FOR ADOBE® PHOTOSHOP® CS5 AND ADOBE® PHOTOSHOP® LIGHTROOM® 3

Tamron announced today the release of an aberration correction function for Adobe Systems Incorporated's software. The lens profile provided by Tamron will be used to make the plug-in for digital image editing software, Adobe® Photoshop® CS5, Camera Raw® and the function for photo management software, Adobe® Photoshop® Lightroom® 3 (for supported lens models, please refer to the chart below).

The lens profile will include Tamron's Di series (lenses for full size image sensors) and the Di II series (lenses for cameras with APS-C size image

sensors) and will be used to create a plug-in bundled in the Camera Raw® 6.2 update and the function for Adobe® Photoshop® Lightroom® 3.2. Tamron, utilizing design data, created this profile for image editing software that allows customers to easily correct distortion, chromatic aberration, and peripheral brightness (1) for Di series and Di II series SLR lenses.

Future lenses are expected to also be included in this profile. For further information, please refer to the Adobe Website at http://kb2.adobe.com/cps/846/cpsid_84666.html

SOFTWARE

ADOBE RELEASES LIGHTROOM 3.2, ACR 6.2 & DNG CONVERTER 6.2

Adobe has released Photoshop Lightroom 3.2, Camera Raw 6.2 and DNG Converter 6.2. These are



final versions of updates that were originally posted as 'release candidates' on the Adobe Labs site, and are now available for immediate download. The latest versions provide final RAW support for sixteen recent cameras, including the Canon EOS 60D and Sony Alpha NEX-5. The updates also add more than 120 lens profiles and fix a number of bugs.

[Click here to download Adobe Photoshop Lightroom v3.2 \(Windows\)](#)

[Click here to download Adobe Photoshop Lightroom v3.2 \(Mac\)](#)

[Click here to download Adobe Camera Raw and DNG Converter v6.2 \(Windows\)](#)

[Click here to download Adobe Camera Raw and DNG Converter v6.2 \(Mac\)](#)

ADOBE'S ON LINE EDITING AND PHOTO STORAGE SITE

Take a look at Adobe's on-line and photo-editing site <http://www.photoshop.com/>



VIEWNX 2 NIKON'S IMAGE BROWSING AND EDITING SOFTWARE

IMPROVED EDITING AND PRINTING FUNCTIONS FOR STILL IMAGES AND MOVIES

GREATER COLLABORATION WITH MY PICTURETOWN, NIKON'S IMAGE STORAGE AND SHARING SERVICE

Nikon Corporation released ViewNX 2 for free download from the following Nikon. ViewNX 2 is the comprehensive new version of Nikon's image browsing and editing software, ViewNX, offering improved functions and greater collaboration with Nikon's image storage and sharing service, my Picturetown.

[Download website \(http://nikonimglib.com/nvnx/\)](http://nikonimglib.com/nvnx/)

ViewNX 2, available for free download beginning today, inherits its basic functions from ViewNX and offers improved operation and image editing and printing functions. In addition to a revamped user interface, which offers three different workspaces suited to common uses of the application, ViewNX 2 includes new editing functions for still images such as Crop and Straighten, as well as new movie editing functions, including one that allows movie frames to be saved as still images. ViewNX 2 also offers greater control over print settings, making it a convenient image browsing and editing software application for all users of digital cameras, from beginners to advanced users. ViewNX 2 also provides greater collaboration with my Picturetown, Nikon's image storage and sharing service, making image upload simpler. ViewNX 2 is an all-in-one software application for browsing, editing and sharing of still images and movies.

EQUIPMENT

TAMRON ANNOUNCES RELEASE OF THE SP 70-300MM F4-5.6 DI VC USD (MODEL A005) FOR NIKON MOUNT



An Extra Low Dispersion (XLD)¹ lens made from high-grade

materials delivers best in class resolution. Tamron's own Ultrasonic Silent Drive (USD)² and Vibration Compensation (VC) make the lens fast, quiet and easy to use.

Tamron announced another advance in the company's pursuit of high resolution images in the telephoto lens category with the release of its anniversary model 70-300mm F/4-5.6 telephoto zoom lens featuring VC (Vibration Compensation) image stabilization and an ultrasonic auto-focus drive — USD (Ultrasonic Silent Drive). The SP 70-300mm F4-5.6 Di VC USD (Model A005) high-resolution DSLR telephoto zoom lens is available for the Nikon mount, with the development of compatible mounts for Canon and Sony to follow. This new lens is designed for digital SLR cameras, and it can be used with both full-frame sensor and AF 35mm cameras with a zoom range of 70-300mm; or with APS-C sensor cameras where the angle of view will change the zoom range equal to 109-465mm.

With superior optical performance, Tamron's own USD (Ultrasonic Silent Drive) and VC (Vibration Compensation), the SP 70-300mm F4-5.6 Di VC USD (Model A005) provides the performance of a high-end premium telephoto zoom that is appealing to a broad spectrum of photography enthusiasts.

UNPARALLELED OPTICAL PERFORMANCE IN A FAST AND STEADY TELEPHOTO ZOOM LENS

In the pursuit to achieve the most outstanding image resolution in the 70-300mm class, Tamron's 60th Anniversary lens - the SP AF70-300mm F4-5.6 Di VC USD (Model A005) - utilizes an advanced optical design that features an LD (Low Dispersion) and an XLD (Extra Low Dispersion) lens element made from specialized materials that prevent chromatic aberration. As a result, the SP AF70-300mm Di VC USD boasts sharper contrast and greater descriptive performance than all others in its class.

In addition, it is the first Tamron lens sporting a USD (Ultrasonic Silent Drive), Tamron's very own ultrasonic auto-focus drive mechanism. This USD mechanism delivers fast focusing, making it a perfect telephoto zoom choice for photographing sports, racing, and other fast-moving subjects. The lens also boasts Tamron's proprietary VC (Vibration Compensation) image stabilization to assist in hand-held shooting, not only at long focal length ranges where blurring is common, but also under low-lit conditions, dramatically enhancing photographic freedom.

This combination of best in class image resolution, Ultrasonic Silent Drive and Vibration Compensation is a new achievement of Tamron technology, culminating in the production of a premium 70-300mm telephoto zoom lens.

PRODUCT FEATURES

New optical system optimized for digital cameras achieves top resolution in the 70-300mm class with specialized glass elements including an XLD (Extra Low Dispersion) lens element. This lens' advanced optical design employs a sophisticated XLD (Extra Low Dispersion) lens element made from specialized high-grade glass that has lower dispersive properties than standard LD lenses (where refraction causes the dispersion of white light into spectral hues). The dispersive properties of the XLD lens are at a level similar to fluorite, and in combination with LD elements make for an optimal optical design that delivers best in class resolution with advanced axial chromatic and magnification aberration correction - major inhibitors of image quality enhancement. The result is a lens that delivers sharp contrast and better descriptive performance throughout the entire zoom range.

Fast focusing with USD (Ultrasonic Silent Drive), Tamron's ultrasonic autofocus drive The lens is equipped with Tamron's first-ever ultrasonic auto-focus drive USD (Ultrasonic Silent Drive). It achieves faster focusing making this telephoto lens perfect for photography of sports, motor racing, and other fast-moving subjects. With advanced motor technology and newly developed software, Tamron's USD delivers precise and noiseless focusing at turbo speed.

USD (Ultrasonic Silent Drive)

Tamron's USD works with the high-frequency ultrasonic vibrations that are produced by a ring called a 'stator'. Energy from the vibrations is used to rotate an attached metallic ring known as the 'rotor'. Piezoelectric ceramic, an element that produces ultrasonic vibrations when voltage of a specific frequency is applied is arranged in a ring formation on the stator. This electrode configuration of piezoelectric ceramic causes two ultrasonic vibrations to occur in the stator.

By effectively combining these two ultrasonic vibrations, it is possible to convert the energy from the vibrations that produced simple motion into energy known as 'deflective traveling waves', which then moves around the circumference (rotation direction) of the ring.

With the USD, the friction between these deflective traveling waves created on the metallic surface of the stator and the surface of the rotor produce force, causing the rotor to rotate. The focusing ring lens, which is linked to the rotor, is thus moved, creating a fast and smooth auto-focus drive.

Equipped with Tamron's VC (Vibration Compensation) image stabilization

The SP 70-300mm F4-5.6 Di VC USD employs Tamron's esteemed image stabilization mechanism—VC (Vibration Compensation) seen in both the AF18-270mm Di II VC (Model B003) and SP AF17-50mm F/2.8 XR Di II VC (Model B005). With VC, the photographer has the freedom to shoot at a shutter speed that is an extra four stops slower without having to worry about blurring. This makes capturing handheld, evening, night, and interior shots much easier.

VC (Vibration Compensation)

Tamron's VC mechanism employs a three-coil system, whereby three driving coils activate the shake-compensating VC lens group electromagnetically via three steel balls. The VC lens elements are held in place only by contact with the steel balls, achieving smooth movement with little friction. This provides a stable viewfinder image with excellent tracking performance that

eliminates the blur from camera shake for cleaner, crisper shots.

Full time manual focus at your fingertips

Auto-focus has many benefits but sometimes the photographer needs the control of manual focus. Full time manual offers just that: the crossover from auto-focus to manual focus by simply adjusting the focus ring, allowing the photographer to make adjustments on the fly. This feature helps the lens produce impressive results even in telephoto situations where the depth of field is narrow.

Better balance and consistent length with internal focusing

When focusing, the internal elements of the lens move and the lens' external size does not change. This offers better balance and easier telephoto shots. Moreover, the barrel is not subject to stray light entering from external helicoids that can negatively affect images. And because the external elements do not move, it makes it easier to utilize polarizing filters and the flower shape hood to control the amount of light that enters the lens.

Enjoyable photography for a wide range of enthusiasts, from those using traditional film cameras, to digital SLRs with full-frame or APS-C size sensors

With a full-frame digital or 35mm SLR, portrait and medium telephoto shots can be achieved on the wider 70mm end of the range and spectacular telephoto shots at the longer 300mm side. When using an ASP-C sensor camera the angle of view changes, giving it the equivalent range of 109-465mm for bold ultra-telephoto shots. And with a maximum magnification ratio 1:4, the lens can be used to explore in the realm of semi-macro photography.

Uncompromising countermeasures to reduce ghosting and flare

Digital photography requires extreme precision, which is why Tamron incorporates new BBAR (Broad-Band Anti Reflection) multilayer coatings that reduce reflection into the lens elements. This ensures excellent performance in all photographic conditions and enhances light transmission on both long and short wavelengths. In addition, Tamron applies internal surface coatings on cemented surfaces of lens elements to make images sharper with better color reproduction and balance.

Simple yet beautiful exterior design

Tamron adopted a simple design with a smooth silhouette to ensure that this lens fits well with various SLR cameras. The exquisite textured paint gives a well-crafted finish to the exterior.

Flower-shaped hood with excellent stray light shielding properties—a standard accessory

The flower-shaped hood has been designed specifically to block out damaging light rays and ensures clear, sharp descriptive performance.

SONY RELEASE THE A55 AND A33 DSLR CAMERAS WITH TRANSLUCENT MIRRORS

SONY A55 DSLR CAMERA

CAPTURE THE DECISIVE MOMENT.



Change the way you shoot pictures with Sony's new Translucent Mirror Technology™ DSLR camera. The SLT-A55V α DSLR camera features professional-grade continuous shooting at 10 fps and visibly faster, more accurate focus in Live View and HD Movie modes. Compose your shots on either the LCD monitor or electronic viewfinder with 100% framing accuracy. Advanced features including Auto HDR, Sweep Panorama and 15-point Auto Focus make it dramatically easier to get the best shot.

Unprecedented Image Capture

Unlike other DSLRs that can either shoot or focus with the speed and precision of Phase Detection AF, the SLT-A55V is the world's first DSLR that can do both simultaneously¹. Featuring an unprecedented Translucent Mirror, the α55V DSLR camera is able to feed both the image sensor and the Phase Detection at the same time.

Professional Class Shooting Speeds

By transforming the fundamental way DSLR cameras work, you'll experience best-in-class speed, up to 10 fps continuous shooting at full 16.2MP resolution with exposure fixed at the first frame. This is made possible by a Translucent Mirror that always stays in place. You also get standard continuous shooting at up to 6 fps.

Astonishing HD Video Capture

Experience a revolutionary breakthrough in video capture when shooting fast-moving subjects. The $\alpha 55V$ is the world's first camera with the precision of Phase Detection auto focus (AF) for HD Movies¹. Translucent Mirror Technology not only enables full-time phase-detection AF for photos, it also delivers the same speed and precision for Full HD movies.

Spectacular Resolution and Detail

Featuring a large 16.2-megapixel Exmor APS HD CMOS sensor, you'll achieve beautiful image quality during both still-photo and movie shooting. Rich tonal gradation and highlight/shadow detail are assured by the BIONZ image processing engine which supports high-speed continuous shooting, advanced digital compositing, and Full HD movie recording.

Advanced Still Shooting Features

Expand your creativity with advanced imaging features including built-in Auto HDR, which captures more scene contrast by combining the best highlight detail from one shot and the best shadow detail into one unbelievable shot. Map your journey via an integrated GPS receiver, or use 3D Sweep Panorama Mode to automatically capture expansive landscapes.

Versatile Shooting Options

Use both the LCD monitor and Electronic Viewfinder to compose your shots. An all-electronic design enables a wide range of shooting information to be displayed in the finder and on the LCD monitor. Both provide a what-you-see-is-what-you-get preview of white balance, focus, depth of field, exposure and 100% framing accuracy, plus on-screen displays.

CARL ZEISS PRESENTS A NEW MODERATE WIDE-ANGLE LENS THE FAST ALL-AROUND TALENT DISTAGON T* 1,4/35 ZE FROM CARL ZEISS

A woman is sitting at the bar of a dimly-lit cafe. Lost in thoughts, she doesn't notice the glass of wine the bartender places before her. From a distance, a photographer tries to capture her mood. He brings her face, which is leaning toward her phone, into focus. Everything around her becomes a blur, and the lights in the background coalesce into a wild "dance" of diffuse shapes. This shot will only work with a fast lens with short focal length and

harmonious bokeh. Carl Zeiss introduces a new lens for just such images: the Distagon T* 1,4/35.

Distagon T* 1,4/35: Crisp, sharp images work every time, whether at dusk or in the weak lighting conditions of a café, and without the need for a tripod.

By introducing the Distagon T* 1,4/35, Carl Zeiss is completing



menting the Planar T*1,4/50 and T*1,4/85 lenses with a wide-angle lens that shares the same high speed. Crisp, sharp images work every time, whether at dusk or in the weak lighting conditions of a café, and without the need for a tripod. With its 35-mm, the Distagon T* 1,4/35 matches the classic and versatile standard focal lengths when used on cameras with APS-C sensor formats.

Due to the special bokeh effects in both the foreground and background areas, the Distagon T*1,4/35 opens up new creative possibilities, giving photographers more options to 'play' with focus. Thanks to its large focus ring, photographers can also create highly accurate, sharp pictures, even at maximum aperture opening. In addition, the optical construction of the lens guarantees high image quality across the entire image range. Furthermore, with one step less than the full aperture opening, the light fall-off toward the edges is just one f-stop.



With the ZEISS T* anti-reflective coating, its sophisticated stray light reduction and the excellent flare control the new Distagon also takes pictures of bright light sources without artifacts. The Distagon T*1,4/35's extremely long-lasting and robust all-metal precision mechanics, for which Carl Zeiss is known, make this lens perfect for use on-the-go and for photo reports.

The Distagon T* 1,4/35 will be available in first quarter of 2011 at a recommended retail price of € 1385.71 (excluding VAT)*.

M.ZUIKO DIGITAL ED 75-300MM F4.8-6.7
[150-600MM (35MM CAMERA
EQUIVALENT)]



The M.ZUIKO DIGITAL ED 75 - 300mm F4.8 - 6.7 lens is a super telephoto zoom that boasts a focal length range equivalent to 150 - 600mm on a 35mm camera. Previous lenses offering

35mm equivalent focal lengths of 600mm or more were invariably large, heavy, making it difficult for most users to enjoy the benefits of super telephoto shooting. The M.ZUIKO DIGITAL ED 75 - 300mm F4.8 - 6.7, however, takes advantage of the Micro Four Thirds System's high mobility to bring these benefits to a wide range of users. Also this lens offer quieter and more responsive AF performance, and offer SLR image quality for still-image and movie shooting. When mounted on an OLYMPUS PEN camera, the lenses support the camera body's built-in image stabilization system and offer effective shake compensation at all focal lengths.

M.ZUIKO DIGITAL ED 40-150MM F4.0-5.6
[80-300MM (35MM CAMERA
EQUIVALENT)]



The M.ZUIKO DIGITAL ED 40-150mm F4.0-5.6 is extremely light (190g). Its wide zoom range is equivalent to 80-300mm on a 35mm camera, and its Micro Four Thirds System design

offers outstanding portability that makes interchangeable lens photography easier. Also this lens offer quieter and more responsive AF performance, and offer SLR image quality for still-image and movie shooting. When mounted on an OLYMPUS PEN camera, the lenses support the camera body's built-in image stabilization system and offer effective shake compensation at all focal lengths

SIGMA

LARGE APERTURE TELEPHOTO ZOOM
LENS INCORPORATING SIGMA'S
ORIGINAL OPTICAL STABILIZER
FUNCTION
TELEPHOTO ZOOM LENS APO 70-200
F2.8 EX DG OS HSM

This large aperture telephoto zoom lens, incorporating Sigma's original Optical Stabilizer function, covers focal lengths from 70mm to 200mm and offers a constant aperture of F2.8 over the entire zoom range. The OS function offers the use of shutter speeds approximately 4 stops slower than would otherwise be possible. It makes shooting easy for many types of photography such as portraits and sports. Two FLD ("F" Low Dispersion) glass elements, which have performance equal to fluorite glass, and three SLD (Special Low Dispersion) glass elements provide excellent correction of color aberration. Super Multi-Layer Coating reduces flare and ghosting. The lens incorporates HSM (Hyper Sonic Motor), ensuring a quiet and high speed AF as well as full-time manual focus capability. It is also possible to attach Sigma's optional APO Tele Converters.

Ideal for handheld photography

The lens is equipped with Sigma's own unique OS (Optical Stabilizer) function. This system offers the use of shutter speeds approximately 4 stops slower than would otherwise be possible, making telephoto shooting easy. Mode 1 is ideal for general photography and Mode 2 is designed for panning subjects such as racing cars. For Sony and Pentax mount, the built-in OS function of this lens can be used even if the camera body is equipped with an anti-shake function. As compensation for camera shake is visible in the view finder, the photographer can easily check for accurate focus and ensure there is no subject movement.

* For Pentax and Sony mounts, it is not possible to use the AF and the built-in OS function of this lens when attaching it to film SLR cameras as well as Pentax *ist series and K100D.

* When using the OS function of a lens with a camera which incorporates a stabilizer unit, please turn the camera's stabilizer unit off.

* For Nikon and Canon mounts, the Optical Stabilizer (OS) function will not work with film SLR cameras except Nikon F6 and Canon EOS-1V.

Compact construction

This lens has a compact construction with a diameter of 86.4mm(3.4in.), overall length of 197.6mm(7.8in.) and weight of 1,430g(50.4oz.). This compact and lightweight construction makes it ideal for many types of photography such as portraits, landscapes and sports.

Excellent Optical Performance

This lens features two FLD ("F" Low Dispersion) glass elements, which have the performance equal to fluorite glass, and three SLD (Special Low Dispersion) glass elements providing excellent correction of color aberration. The Super Multi-Layer Coating reduces flare and ghosting and ensures high contrast images. High image quality is assured throughout the entire zoom range.

* FLD glass is the highest level low dispersion glass available with extremely high light transmission. This optical glass has a performance equal to fluorite glass which has a low refractive index and low dispersion compared to current optical glass. It also benefits from high anomalous dispersion. These characteristics give excellent correction for residual chromatic aberration (secondary spectrum) which cannot be corrected by ordinary optical glass and ensures high definition and high contrast images.

High speed and quiet AF

The lens incorporates HSM (Hyper Sonic Motor), ensuring high speed and quiet AF as well as full time manual focus capability.

* For Sony and Pentax mount, AF will not function with DSLR cameras that do not support HSM.

Inner focusing and inner zooming system

The lens design incorporates an inner focusing and inner zooming systems. The overall length of the lens does not change during focusing and zooming, ensuring convenient handling. The inner focusing system also eliminates front lens rotation, making the lens particularly suitable for using circular polarizing filters and the supplied petal-type lens hood. A removable tripod collar (TS-21) is included as a standard component.

Close focusing capability

This lens has a minimum focusing distance of 140cm(55.1in.) throughout the entire zoom range and a maximum magnification ratio of 1:8.

Rounded diaphragm

This lens has a rounded 9 blade diaphragm which creates an attractive bokeh to the out of focus area.

APO Tele-Converter (Optional)

The addition of the optical 1.4x EX DG APO or 2x EX DG APO Tele Converters* produce a 98-280mm F4 AF telephoto zoom lens or a 140-400mm F5.6 AF telephoto zoom lens respectively.

* The Pentax mount Tele Converter is not compatible with the particular lens.

>> [Tele Converter matching list](#)

Hood adapter extends the length of the lens hood and provides more effective shading when used with digital cameras with an APS-C size images sensor.

* When using the APS-C Hood Adapter HA850-01 with digital cameras with a full frame image sensor, vignetting will occur. Please remove the hood adapter if you are using full frame cameras.



Specifications

Lens Construction: 22 Elements in 17 Groups

Angle of View:34.3–12.3 degrees

Number of Diaphragm Blades:9 Blades (Rounded diaphragm)

Minimum Aperture: F22

Minimum Focusing Distance: 140cm

Maximum Magnification:1:8

Filter Size: 77mm

Dimensions: Dia 86.4mmxLength 197.6mm

Weight: 1430g

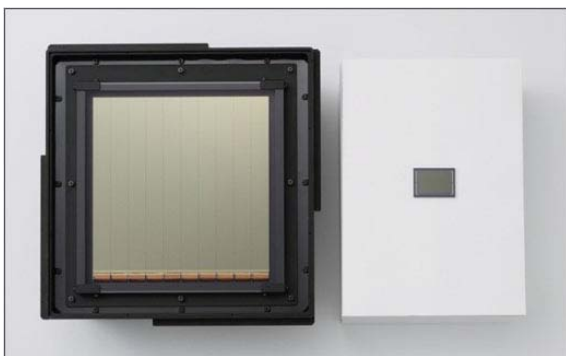
The Canon logo, consisting of the word 'Canon' in its signature red font.

CANON SUCCEEDS IN DEVELOPING
WORLD'S LARGEST CMOS IMAGE
SENSOR, WITH ULTRA-HIGH SENSITIVITY
& A 120 MP APS-H SENSOR

CANON'S ULTRA-LARGE-SCALE CMOS SENSOR (LEFT) ALONGSIDE A 35 MM FULL-FRAME CMOS SENSOR

Canon Inc. announced that it has successfully developed the world's largest CMOS image sensor, with a chip size measuring 202 x 205 mm. Because its expanded size enables greater light-gathering capability, the sensor is capable of capturing images in one one-hundredth the amount of light required by a professional-model digital SLR camera.

At 202 x 205 mm, the newly developed CMOS sensor is among the largest chips that can be produced from a 12-inch (300 mm) wafer, and is approximately 40 times the size of Canon's largest commercial CMOS sensor.



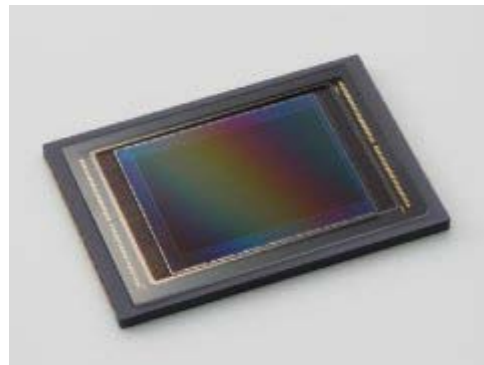
In the past, enlarging the size of the sensor resulted in an increase in the amount of time required between the receiving and transmission of data signals, which posed a challenge to achieving high-speed readout. Canon, however, solved this problem through an innovative circuit design, making possible the realization of a massive video-compatible CMOS sensor. Additionally, by ensuring the cleanest of cleanroom environments during the production process, the sensor minimizes image imperfections and dust.

Because the increased size of the new CMOS sensor allows more light to be gathered, it enables shooting in low-light environments. The sensor makes possible the image capture in one one-hundredth the amount of light required by a 35 mm full-frame CMOS sensor, facilitating the shooting of 60 frame-per-second video with a mere 0.3 lux of illumination.

Potential applications for the new high-sensitivity CMOS sensor include the video recording of stars in the night sky and nocturnal animal behavior.

Through the further development of distinctive CMOS image sensors, Canon will break new ground in the world of new image expression, in the area of still images as well as video.

120 MP APS-H SENSOR



Canon Inc. announced that it has successfully developed an APS-H-size*1 CMOS image sensor that delivers an image resolution of approximately 120 megapixels (13,280 x 9,184 pixels), the world's highest level*2 of resolution for its size.

Compared with Canon's highest-resolution commercial CMOS sensor of the same size, comprising approximately 16.1 million pixels, the newly developed sensor features a pixel count that, at approximately 120 million pixels, is nearly 7.5 times larger and offers a 2.4-fold improvement in resolution.

With CMOS sensors, while high-speed readout for high pixel counts is achieved through parallel processing, an increase in parallel-processing signal counts can result in such problems as signal delays and minor deviations in timing. By modifying the method employed to control the readout circuit timing, Canon successfully achieved the high-speed readout of sensor signals. As a result, the new CMOS sensor makes possible a maximum output speed of approximately 9.5 frames per second, supporting the continuous shooting of ultra-high-resolution images.

Canon's newly developed CMOS sensor also incorporates a Full HD (1,920 x 1,080 pixels) video output capability. The sensor can output Full HD video from any approximately one-sixtieth-sized section of its total surface area.

Images captured with Canon's newly developed approximately 120-megapixel CMOS image sensor, even when cropped or digitally magnified, maintain higher levels of definition and clarity than ever before. Additionally, the sensor enables image confirmation across a wide image area, with Full HD video viewing of a select portion of the overall frame.

Through the further development of CMOS image sensors, Canon will break new ground in the world of image expression, targeting new still images that largely surpass those made possible with film, and

video movies that capitalize on the unique merits of SLR cameras, namely their high mobility and the expressive power offered through interchangeable lenses.

EOS 60D DIGITAL SLR CAMERAS



AN EOS WITH PERSPECTIVE.

With the new EOS 60D DSLR, Canon gives the photo enthusiast a powerful tool fostering creativity, with better image quality, more advanced features and automatic and in-camera technologies for ease-of-use. It features an improved APS-C sized 18.0 Megapixel CMOS sensor for tremendous images, a new DIGIC 4 Image Processor for finer detail and excellent color reproduction, and improved ISO capabilities from 100 - 6400 (expandable to 12800) for uncompromised shooting even in the dimmest situations. The new Multi-control Dial enables users to conveniently operate menus and enter settings with a simple touch. The EOS 60D also features an EOS first: A Vari-angle 3.0-inch Clear View LCD (1,040,000 dots) monitor for easy low- or high-angle viewing. An improved viewfinder, a number of new in-camera creative options and filters, plus HDMI output for viewing images on an HDTV all make the EOS 60D invaluable for the evolving photographer. With continuously curved surfaces, user-friendliness and exuding solidity and refinement, the EOS 60D is true digital inspiration!

FEATURES

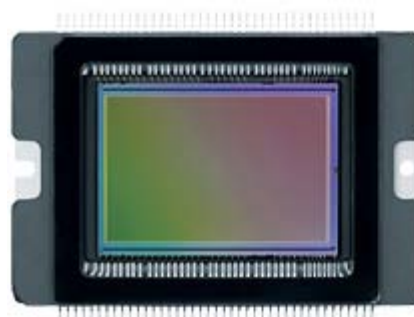
- [18.0 Megapixel CMOS sensor and DIGIC 4 Imaging Processor for high image quality and speed.](#)
- [ISO 100 - 6400 \(expandable to 12800\) for shooting from bright to dim light.](#)
- [Improved EOS HD Video mode with manual exposure control, expanded recording, Movie Crop recording in 640 x 480, sound recording level adjustment and an external microphone IN terminal for access to improved sound quality.](#)
- [Vari-angle 3.0-inch Clear View LCD monitor for shooting at low angles and 1,040,000-dot VGA with reflection reduction using multi coating and high-transparency materials for bright and clear viewing.](#)

- [5.3 fps continuous shooting up to approx. 58 Large/JPEGs and 16 RAW.](#)
- [96% viewfinder coverage allowing you to see more of your image in the viewfinder.](#)
- [Enhanced iFCL 63-zone, Dual-layer metering system; and 9-point AF system utilizing a high-precision, f/2.8 cross-type center point.](#)
- [New convenient in-camera features allow you to convert RAW images into JPEGs and set the images to a 3:2 aspect ratio.](#)
- [Compatibility with SD/SDHC/SDXC memory cards.](#)
- [Compatible with the full line of Canon EF and EF-S lenses.](#)

EXCEPTIONAL QUALITY IMAGES.

The EOS 60D features a new, Canon-designed 18.0 Megapixel APS-C size CMOS sensor that captures such a high level of resolution, it's easy to crop images for enlargement without concern of losing detail. A major factor in reducing noise, the CMOS sensor assures that images shot at highest sensitivity will be remarkably smooth.

The improved DIGIC 4 Image Processor ensures that images are captured, processed and saved with remarkable speed. The EOS 60D DSLR's new 3:2 multiple aspect ratio, in-camera RAW image processing, creative filters, image resizing and provided S2 and S3 image-recording quality are all possible thanks to the DIGIC 4 Image Processor. With dazzling results, the new DIGIC 4 Image Processor also works to capture and process data of images shot at 18.0 Megapixels at 5.3 fps, as well as 14-bit signal processing for excellent image gradation, enhanced Face Detection Live mode, Full HD video recording, Auto Lighting Optimizer and Lens Peripheral Optimization.



18.0 Megapixel CMOS Sensor



DIGIC 4 Image Processor

EXCELLENCE FROM DAWN TO DUSK.

With a broad range of ISO settings, expandable up to 12800 with Custom functions, the EOS 60D enables shooting from sunrise to sunset and helps ensure capture of the finest detail. With enhanced high-sensitivity optimization, subjects can be captured clearly and easily at high shutter speeds without flash, with minimized blur and noise. In bright scenes, especially long exposures in daylight, optimal exposure can be achieved with a fully open wide-diameter lens, no dark filter needed.



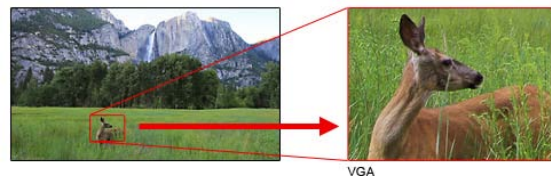
ISO 6400

EOS HD VIDEO TO GO!

Designed for the evolving, tech-savvy user, the EOS 60D features HD Video capture technologies - manual exposure control for more creative control, for example - borrowed directly from professional Canon DSLRs to capture stellar video with all the benefits of shooting with a DSLR. By shooting video with the EOS 60D, photographers as well as filmmakers can take advantage of the creative features native to DSLR cameras. Along with its manual controls, the EOS 60D allows for full use of Canon EF and EF-S lenses, including Macro and Fisheye, providing a plethora of shooting options once reserved only for still photography. The resulting HD video is a standout in its beautiful depth-of-field characteristics and remarkable capture capability under poor lighting conditions. Additionally, a Movie Crop function is included: An SD-quality video (640 x 480) can be cropped to the

equivalent of about 7x magnification of regular shooting.

The audio input level can be set to Auto or Manual, up to 64 levels, and a wind filter minimizes unwanted background noise. By pressing the Quick Control button, a simple graphic user interface for adjusting image quality, white balance, image creation and other settings appears on the LCD. The EOS 60D even lets users edit video in-camera: On-site or off, unnecessary scenes can be deleted and the start/end points of video footage can be designated via in-camera editing functions without the need of a separate computer.



Video can be captured at a number of resolutions and frame rates for numerous applications. It can capture 1920 x 1080 Full HD video at frame rates of 30 (29.97 fps), 24 (23.976 fps) and 25.0 frames per second, for up to 4GB per clip. Video footage is saved as MOV files and can be viewed in Full HD through the EOS 60D DSLR's HDMI output. Other recording sizes include HD at 1280 x 720 (50/60 fps) or SD/VGA at 640 x 480 (50/60 fps) - 24/30 fps delivers cinema-like motion, while 60 fps is perfect for footage being uploaded to video-sharing websites. The EOS 60D also has a built-in microphone for simple mono recording and stereo sound can be recorded through a self-powered external microphone.



LOW ANGLES OR HIGH, A BIG VARI-ANGLE LCD CAPTURES THE DETAILS.

A first for any EOS, the EOS 60D features a bright, high resolution, flip-out Vari-angle 3.0-inch Clear View LCD monitor for shooting at a variety of angles. By easily switching between low and high angles, the EOS 60D freely enables angle adjustments even if the camera is mounted on a tripod or has a battery grip attached.

With 1,040,000 (dots/VGA) pixels for spectacular detail, the advanced, smudge-resistant monitor includes high transparency materials plus anti-reflective and water-repellant coatings to provide clear and bright viewing. Superb for reviewing, editing and deleting photos or composing new images in Live View function, the Vari-angle Clear View LCD monitor is also the perfect means for accessing camera settings like ISO, metering modes, AF Point selection, the horizontal Electronic Level and flash options.

THE NEED FOR SPEED.

The EOS 60D operates with such effortless speed that operation is nothing short of intuitive. With a 0.1 second start-up time, speedy autofocus and minimal shutter lag, the EOS 60D is made to capture even rapidly-occurring scenes with stunning precision. Able to shoot up to 5.3 frames per second (fps), capturing a maximum burst of approximately 58 Large/JPEGs and 16 RAW, the EOS 60D DSLR lets you catch even the briefest of moments, whether it's a faced-paced soccer game or the flicker of a candle flame.

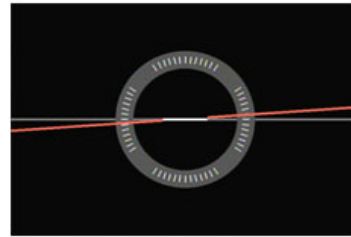


SEE MORE, GET MORE.

The EOS 60D features a phenomenally redesigned viewfinder that not only offers an improved 96% coverage, 0.95x magnification, a 27.0° angle of view and user-controlled diopter adjustment, it also features a newly designed transparent LCD display that enables a number of viewfinder displays. A six-level battery check indicator has been added on the left, and the exposure level indicator scale has been expanded to up to three stops, with arrows indicating greater exposure levels.

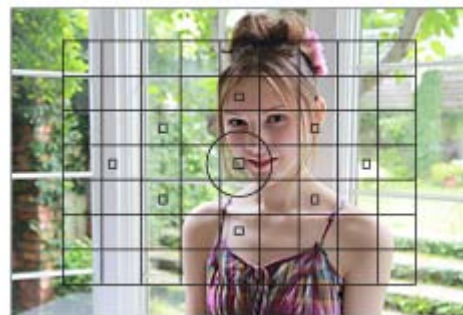
The EOS 60D also features an advanced horizontal Electronic Level, that, when activated, is superimposed on the LCD monitor to aid in achieving evenly leveled shots by indicating the horizontal tilt up to approximately 9° in 1° increments.

ELECTRONIC LEVEL



INTELLIGENT SCENE ANALYSIS FOR SUPERB EXPOSURE.

The EOS 60D features a sophisticated, 63-zone Dual-layer sensor designed to complement the 9-point AF system. By taking into account the color and luminosity surrounding chosen AF points, this system delivers an advanced level of accuracy for better results even in difficult lighting situations. Since the metering sensor has a color measurement function, exposure errors and focus errors caused by different light sources are minimized; the EOS 60D gives stable exposure from shot to shot in situations where light changes, such as in a theater or concert hall. This makes the EOS 60D ideal for scenes with extreme difference in brightness such as brightly lit scenes or backlit scenes; the camera balances exposure of the main subject at the background, and exposures are not overly influenced by bright areas in the shot. Since the EOS 60D provides high-speed X-sync ("X-sync" means the fastest shutter speed that can synchronize with a flash burst at the moment the shutter is fully released) up to 1/250 sec., the range of photographic expression is dramatically increased, allowing the EOS 60D to be used with confidence in bright scenes or dim.



Metering Zones

IN-CAMERA TECHNOLOGIES FOR AN EASIER WORKFLOW.

The EOS 60D marks a highpoint in convenience for the photographer by being able to shoot an image as a RAW file and then process it entirely in-camera to produce a separate JPEG file without the need of an outside computer. The EOS 60D gives you 10 process variables - brightness adjustment, white balance, Picture Style, Auto Lighting Optimizer,

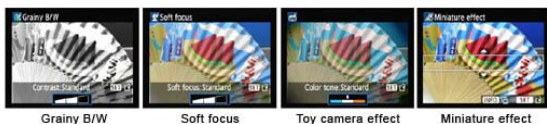
noise reduction, JPEG image-recording quality, color space, lens peripheral illumination correction, distortion correction and chromatic aberrations correction - to create the image you envision, set to the 3:2 aspect ratio used in 35mm film.

Additionally, once you capture an image with the EOS 60D, you can digitally manipulate it in-camera with a number of creative filters for artistic and dramatic effect. Options include Soft Focus Effect to convey dreamy tableaus; Grainy Black-and-White



Effect for a gritty, hard-bitten look; Toy Camera Effect -

the deliberate vignetting and color shift technique popular in art photography - and Miniature Effect, which blurs the top and bottom edges of the image to emphasize perspective and conveys a miniaturized look of the scene.



FLEXIBLE STORAGE WITH MEMORY CARDS.

The EOS 60D DSLR uses popular SD, SDHC and SDXC memory cards. Compact, inexpensive and available in increasingly large capacities, SD, SDHC and SDXC memory cards are a perfect complement to the EOS 60D DSLR's compact and lightweight body design.

NIKON D3100 DIGITAL SLR ANNOUNCED



BEAUTIFUL



The camera that amazes. Shoot with D3100 and enjoy the beauty.

D3100 employs Nikon's latest breakthrough technology to deliver superb results. A newly developed DX-format CMOS sensor with 14.2 effective megapixels works in tandem with new EXPEED 2 image processing engine to produce highly detailed images containing rich tonal gradations and faithful color. This combination also helps produce beautifully defocused backgrounds - a hallmark of quality digital SLR cameras. In addition, a maximum ISO of 3200 (expandable to ISO 12800 equivalent using the Hi 2 setting) allows you to shoot without worrying about camera-shake blur. [more](#)

EASY OPERATION

The camera that teaches you how... Let D3100 satisfy your dreams of better photos. An enchanting portrait against a softly defocused background, or a radiant couple surrounded by sparkling lights. Taking photos like these is easy with D3100's Guide Mode - in-camera guidance that shows you step-by-step how to change camera settings. Just select a Guide Mode setting that matches the scene then let Guide Mode assist. Not only will you obtain the desired results, you'll understand how you achieved them. Guide Mode even displays sample photos so you'll know what to expect from each setting. [more](#)

FULL HD MOVIES

Breathtaking full HD 1080p movies. Discover the difference a digital SLR makes when shooting movies. A wide selection of NIKKOR lenses gives you freedom to explore different angles and obtain



lovely defocused backgrounds while D3100's

advanced imaging system assures outstanding quality. And for action sequences, new Subject-tracking AF keeps subjects properly focused. After the shoot, view movies on the large 7.5-cm (3-in.) LCD monitor and perform simple editing tasks like trimming scenes before or after a designated point and extracting still images. HDMI compatibility* lets you connect D3100 to an HDTV with playback managed by the TV's remote control**.

CANON & NIKON RELEASE A RANGE OF UPDATED AND NEW LENSES

Dpreview have listed the details of a number of updates and new Canon and Nikon lenses



[Canon launches EF 70-300mm f/4-5.6L IS USM](#)



[Canon releases EF 8-15mm f/4 L USM fisheye zoom lens](#)



[Canon EF 300mm f/2.8 L IS II USM and EF 400mm f/2.8L IS II USM](#)



[Canon develops 500mm F/4L IS II USM and the 600mm F/4L IS II USM](#)



[Canon announces EF Extender 1.4x III and EF Extender 2x III](#)



[Nikon launches 85mm f/1.4G prime lens](#)



[Nikon introduces 24-120mm F4 G ED VR lens](#)



[Nikon launches 55-300mm F4.5-5.6 G ED VR lens](#)



[Nikon releases 28-300mm F3.5-5.36 G ED VR lens](#)

METZ HAS INTRODUCED THE MECABLITZ 58 AF-2 AND 50 AF-1 FLASHGUNS FOR CANON, NIKON, SONY, PENTAX AND FOUR THIRDS CAMERAS

FURTHER IMPROVEMENTS TO A TOP MODEL



The top model in the Metz compact flash unit range has been further improved with numerous optical and functional features. The successor to the mecablitz 58 AF-1 which won the EISA Award for "best flash unit in Europe 2007/2008" has been equipped with a new

stable metal base which can be attached to the camera flash shoe quickly and easily with one single movement thanks to the optimised lock system. Refinements such as the revised motor zoom mode and an improved high performance flash tube further increase the longevity of the product. Its multi-functionality has been extended with additional features. Thus the mecablitz 58 AF-2 digital offers servo flash release functionality via the integrated camera flash which is also perfectly compatible with cameras without master function. The slave/servo sensor has been integrated into the front of the flash unit to increase the transmission quality of wireless flashes. The wide-angle diffuser has also been adapted for illumination of wide-angle focal widths from 12 mm (135 format). Like all mecablitz system flash units, the new flash unit is available in different versions, perfectly tailored to digital cameras made by the leading manufacturers.

SPECIAL FUNCTIONS FOR ANY FLASH SITUATION

The Mecablitz 58 AF-2 digital offers the perfect solution for every flash situation. The innovative secondary reflector provides perfect image illumination for portraits. Numerous manual fine tuning options afford the Mecablitz 58 AF-2 digital exceptional creative photographic freedom. Virtually limitless possibilities are opened up for individualised lighting thanks to a fully swivelling reflector system which also contains a flip-out reflector card and a diffuser. The slave function and the new servo function allow the new top model in the Metz compact flash unit range to be used without constraints in various operating modes, depending on the camera model. With the servo flash release, no camera master function is required to use the flash as an additional creative light source in the room. The camera-specific wireless TTL remote mode of the respective model comes into play with the slave function. In addition, automatic mode provides the possibility of achieving a perfect picture even in situations where the camera-specific TTL control is impaired.

HIGH PERFORMANCE COMPACT FLASH WITH USB CONNECTION

Thanks to the Metz Mecablitz 58 AF-2 digital USB interface, updates can be easily installed via the

Internet. Due to its very high guide number 58 for ISO 100/21° and 105 mm focal length, the 58 AF-2 digital is not just high performance but also lends itself perfectly to being used as an indirect flash. The real highlight – a flip-out reflector card which is integrated into the both vertically and horizontally tilting and swivelling reflector.

Different versions for Canon, Nikon/Fujifilm, Olympus/Panasonic/Leica, Pentax and Sony

It goes without saying that the respective camera manufacturer's refined flash lighting technology can also be employed with the corresponding version of the Mecablitz 58 AF-2 digital, in addition to numerous special functions, such as high speed synchronisation. Thus the 58 AF-2 digital offers E-TTL and E-TTL II flash mode for Canon – iTTL/D-TTL/3D flash mode for Nikon/Fujifilm – P-TTL for Pentax and four thirds TTL mode for Olympus/Panasonic/Leica.

WHAT'S ON

NATIONAL LIBRARY OF AUSTRALIA WOLFGANG SIEVERS: PHOTOGRAPHER

Wolfgang Sievers AO (1913-2007) documented Australia's prosperity over five decades. Fearing persecution in Nazi Germany because of his Jewish heritage, Sievers emigrated to Australia in 1938. Sievers' career as a photographer flourished after the war. Commissioned by the government and many of Australia's most influential companies, including Alcoa, Comalco and Shell, Sievers' strikingly composed images, with dramatic contrasts between light and dark, documented and promoted Australia's emerging prosperity and modernity. The National Library holds the largest collection of Sievers' work. On display are reproductions from this collection of over 11 700 prints and 51 000 negatives.

When: 05 Mar 2010 to 12 Sep 2010

Where: Display area (4th floor)

CANBERRA NARA CANDLE FESTIVAL

Join in the celebration of Canberra's sister city relationship with Nara, Japan. Take part in origami, calligraphy, didgeridoo and boomerang painting. Make your own Japanese lantern for the evening procession. Purchase Japanese cuisine and beautiful designer Japanese handicrafts. At dusk marvel at more than 2000 floating candles arranged in the dry riverbed of Canberra Nara Park. See the candles flicker into the evening sky and illuminate the park with a soft glow as the sun sets. No admission charge.

When: 18/09/2010

Where : Lennox Gardens, Canberra Nara Park
www.events.act.gov.au

Contact: 13 2281

Email : events@act.gov.au

Website : www.events.act.gov.au

Entry: Free

Floriade 2010



When: 11/09/2010 to 10/10/2010

Unlock your imagination in 2010 with Floriade, Australia's celebration of spring. See over a million flowers bloom; setting the scene to stimulate your

imagination – the theme for Floriade 2010. Be intrigued by the inspired garden bed designs. Get captivated by the artistic entertainment. Take part in demonstrations and workshops. Be fascinated with the engaging exhibitions. Get absorbed into family time with fun kids' activities. Experience the beautiful ambience of Floriade's ticketed night event NightFest. Plan your short break to Floriade now.

Free entry

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[Offers to club members.](#)

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Sec/Treasurer	Kim Barnabas	gerkims@tpg.com.au	
Newsletter Editor	Warren Hicks	hicks@netspeed.com.au	6288 3689

PHOTOSHOP SIG MEETING TOPICS 2010

Date	Topic	Presenter	Location	Comment
23 September	tba			
28 October	tba			
25 November	tba			

NB: Each meeting will include a Tips and Tricks segment, where members will informally share useful information they have picked up in the recent past.

Convenor: Shane Baker – shane@sb.id.au – 6231 0965

Ideas for presentations:

- Printing in monochrome
- White balance
- Channels
- Selections

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