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magazine

Canon



EDITOR'S NOTE

DEAR ALL,

This issue comes hot on the heels of Canon's biggest new product announcement in ages. To say that we've been waiting for this day with excitement for a very long time is an understatement. Canon has finally launched not one, but two highly advanced full frame mirrorless cameras to add to the already-popular EOS R line up. The EOS R5 flagship is completely deserving of the famous "5" series numeral, as it launches with incredible specification aimed at the hybrid shooter or at the photographer looking to future-proof his arsenal. Every one of the key specifications is better than most of us could believe was possible. This camera is probably the most versatile I have ever used - equally capable in high resolution, high speed, high ISO and high-quality video - a combination of features that was impossible a few years ago. Coupled with this, is the most advanced auto focus system we have ever made for a mirrorless camera - offering amazing possibilities for photographers worldwide - but almost aimed specifically at SA users demanding features beneficial to wildlife, bird and sport genres - all proving to be the most popular in SA.

The other camera announced came as quite a surprise. The EOS R6 is ideal for the South African market. In a more cost-effective package than the R5, the R6 will most certainly appeal to the wildlife, bird and sport photographers in our country. The speed and quality of this camera, combined with the incredible animal and bird eye-tracking autofocus system, is perfectly suited to our most popular shooting genres. We see this as an ideal upgrade for photographers using the EOS 7D Mk 2, as it is now the perfect time to move away from DSLR to go to mirrorless, as well as going from crop sensor to full frame. The full frame sensor gives amazing benefits in High ISO environments and, combined

with the radical new autofocus system and 20 pictures a second, this is the one that our market is going to love.

In addition to these two amazing cameras, Canon also announced three epic lenses that will be amazing in our country. Firstly, the 100 - 500mm L IS zoom lens will become the standard go-to lens for wildlife photographers using the R6. The combination of size, L-series quality and focal length make it the ideal replacement for the legendary EF100-400mm lens. The new super compact 600 mm and 800 mm f11 lenses will appeal to a wide range of photographers looking for quality telephoto lenses in very compact sizes. They both feature a fixed F-11 aperture and incredible quality for their low-price points. The size and weight of these lenses are set to be the biggest appeal for hikers and birders alike.

There are also 2 new RF lens converters, an 85mm low cost prime lens and a stunning new photo printer - but more on those in the next issue.

All of these items will be hitting our shores in the next few months and I urge you to have a close look at them as soon as they are in stores - something a bit more exciting for the end of the year.

Until next time - keep clicking away BUT stay safe, stay well and stay warm!

ROGER MACHIN

Product Manager PVDVC
Products Canon SA



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CANON EOS R5 AND EOS R6

unrivalled performance, endless creativity

Johannesburg, South Africa, 09 July 2020 – Today Canon announces the arrival of the EOS R5 and EOS R6, two advanced full frame mirrorless camera additions to the revolutionary EOS R System, built on the future-proof RF Mount. The pro-level EOS R5 delivers 45 megapixel stills at up to 20fps¹ and is the first full frame mirrorless to record 8K RAW up to 29.97fps internally and 4K to 120p. EOS R6 is perfect for enthusiasts and professionals moving to mirrorless and looking for greater capabilities, capturing 20.1 megapixel stills at 20fps¹, stunning 4K videos up to 60p and Full HD at up to 120p. Nothing comes close to the speed and resolution of EOS R5 and EOS R6.

Redefining professional mirrorless

Next generation CMOS sensor technology, combined with high-performance RF lenses, enables users to capture new levels of detail at industry-leading speeds. EOS R5 and EOS R6 can shoot up to 20fps¹, with the electronic shutter in complete silence, full auto exposure (AE) and auto focus (AF) tracking. Users can be confident capturing action, both stills and video, in exceptional quality in any location, without disturbing subjects. The mechanical and electronic first curtain shutter also delivers high-speed, continuous shooting up to 12fps¹.

For the first time in the EOS series, EOS R5 and EOS R6 incorporate 5-axis In-body Image Stabilisation (IBIS), providing benefits for users of all types of lenses. Designed to work collaboratively with the IS system of RF lenses, the solution has been engineered so that RF lenses and the sensor work to correct pitch and yaw, with the sensor correcting X-Y and roll movements. This intelligent stabilisation system corrects at up to an incredible 8-stops² – the world's best image stabilisation² – for new levels of creativity when shooting handheld at slow shutter speeds or filming without a tripod.





The wide diameter of the RF Mount ensures that light continues to reach the entire sensor all the way to the corners, even with the sensor movement introduced with in-body image stabilisation. The 54mm diameter enables RF lenses to be designed with larger image circles, facilitating greater movement of the body IS system. This meaning some non-IS RF lenses, such as the RF 85mm F1.2L USM or RF 28-70mm F2L USM can also achieve up to 8-stops² of image stabilisation. Users of EF lenses will experience enhanced IS performance as in-body IS works, with IS enabled EF lenses to provide roll and X-Y correction. Even non-IS EF lenses will benefit from the 5-axis correction provided by EOS R5 and EOS R6 in-body IS.

Keeping it sharp

DIGIC X processor technology at the core of EOS R5 and EOS R6 - the same technology in the coveted EOS-1D X Mark III - supports renowned next generation Dual Pixel CMOS AF II, pushing speed and reliability to unmatched levels. The world's fastest AF focuses in as little as 0.05 seconds³ and the EOS R5 can focus in light levels as low as -6EV⁵, while the EOS R6 is the first EOS camera to offer a minimum EV for AF of -6.5EV^{4,5}. The high precision AF is effective in even poorly-lit or low-contrast shooting conditions.

The iTR AF X AF system has been programmed using deep-learning AI and face/eye detection mode ensures subjects are kept sharp, even when moving unpredictably with a shallow depth of field. Even if a person turns away for a moment, their head continues to be tracked.

Advanced tracking enabled by deep learning algorithms recognises the faces and eyes of humans, and now includes cats, dogs and birds in both still and movie modes. EOS R5 and EOS R6 maintain high-precision focus and tracking regardless of the subject's size, posture, orientation or direction of the face, helping users to confidently shoot even the most unpredictable subjects.

Intelligent connection

With built-in Bluetooth and Wi-Fi, the EOS R5 (5Ghz Wi-Fi8) and EOS R6 (2.4Ghz Wi-Fi8) can be easily connected to a smartphone and networks allowing high-speed file sharing and FTP/FTPS transfer. This functionality also allows for the cameras to be remotely controlled using the Camera Connect and EOS Utility apps, tethered to a PC or Mac via Wi-Fi or high-speed USB 3.1 Gen 2. With content delivery just as important as image and video capture, the EOS R5 and EOS R6 support the automatic transfer of image files from the device to the Canon cloud platform to easily share and print images or integrate with Google Photos⁹ or Adobe Creative Cloud⁹ workflows.

EOS R5: No compromise

EOS R5 is an unprecedented leap forward in mirrorless technology and offers the highest resolution EOS camera⁶ ever. The DIGIC X processor, CMOS sensor and RF lenses combine to advance all aspects of image quality, achieving a resolution exceeding 45 megapixels. Up to 100% AF coverage⁷ with 5,940 selectable AF points and ISO range of 100-51,200 keep subjects razor-sharp even in extreme low light conditions. Dual-card slots support a high-speed CFexpress and SD UHS II card, housed in a weather resistant magnesium body.



Professionals can capture stunning 8K 12-bit RAW video internally using the full width of the sensor for a truly cinematic result, with continuous eye and face AF tracking for people and animals. The EOS R5 also sets new standards for videographers shooting in 4K. Capture 4K DCI (full frame) and 4K UHD at frame rates up to 120p (119.88fps) with 4:2:2 10-bit quality, enabling high resolution, smooth slow-motion with full AF performance. Users seeking the very highest 4K quality can use the 4K HQ mode to reproduce incredible detail at frame rates up to 30p by internally oversampling 8K footage.

- 8K RAW internal video recording up to 29.97fps (non-cropped)
- 8K internal video recording up to 29.97fps (non-cropped) in 4:2:2 10-bit Canon Log (H.265) or 4:2:2 10-bit HDR PQ (H.265)
- 4K internal recording up to 119.88fps (non-cropped) in 4:2:2 10-bit Canon Log (H.265) or 4:2:2 10-bit HDR PQ (H.265)
- 4:2:2 10-bit in Canon Log or 4:2:2 10-bit HDR PQ output via HDMI at 4K 59.94fps

User demand sees the return of the multi-controller to EOS R5 in addition to touch and drag AF using the 3.2inch vari-angle touch screen, with 2.1 million dot resolution. With Dual Pixel RAW also supported, correction of the focus, contrast in the background and changing the lighting in portraits is possible after capture – enhancing creative possibilities. The 0.5inch electronic viewfinder (EVF) refreshes at 120fps with 5.76 million dot resolution for a staggeringly realistic view of the world comparable to an optical viewfinder.

EOS R6: All-round excellence

EOS R6, like EOS R5, showcases the amazing capabilities of the EOS R System, giving enthusiasts the potential to

take pin-sharp images and movies handheld. Providing class-leading speed and full frame quality, EOS R6 is a powerful and versatile camera far exceeding the demands of enthusiasts and semi-professionals across all genres. Sports and wildlife enthusiasts can confidently capture fast-moving action utilising the up to 20fps1 speed, flexibility of up to 6,072 selectable AF points and deep learning-based automatic face, eye and animal AF tracking modes. The 20.1 megapixel CMOS sensor shares many technologies and performance seen with the EOS-1D X Mark III, providing 100-102,400 auto ISO range, enables users to produce clean images in the toughest low-light environments, such as weddings and indoor events, providing additional flexibility and choice.

Enabling content creators to meet the increasing demand to produce both stunning still and moving images, the innovative EOS R6 can film in 4K UHD resolution at up to 59.94fps achieved through oversampling from 5.1K. Produce incredible slow-motion footage with AF support using Full HD at up to 119.88fps. During movie shooting, zebra display can be used as a guide to exposure adjustment, particularly useful in conditions that typically result in overexposed highlights. With the option to record internally in 8-bit H.264 or 10-bit YCbCr 4:2:2 H.265 and Canon Log, users can experience ultimate post-production flexibility.

The 0.5inch 3.69 million dot EVF working up to 120fps maximum refresh rate supports minimal lag, ideal for photographing sports, as well as offering a transparent and responsive view of shooting subjects. The 3-inch vari-angle 1.62 million dot LCD screen encourages shooting from creative angles. Dual card slots allow users to input 2x SD UHS II cards and record to both cards simultaneously, with the ability to record in different formats for safety, security and speed.

INTRODUCING 3 NEW EOS ACCESSORIES



LP-E6NH

A new longer-life battery supplied with EOS R5, EOS R6 and compatible with all existing cameras that use the LP-E6 series batteries.

LP-E6NH replaces LP-E6N, with an increased capacity of 14%, reaching 2130mAh and enabling users to shoot for longer while maintaining compatibility with existing products and accessories.

BG-R10 battery grip

Enables extended, undisturbed shooting with the EOS R5 and EOS R6 – great for wedding, wildlife and new shooters. The new battery grip gives users the ability to power the bodies using two batteries (LP-E6/N/NH). The grip also offers duplicate controls for easier vertical shooting.



WFT-R10

Battery grip style Wi-Fi transmitter and 2x2 MIMO antennas for faster and longer-range transmission, compatible with EOS R5. WFT-R10 also features enhanced network processing, enabling SFTP via Wi-Fi and includes a gigabyte speed via ethernet port.

Today Canon launches four new RF lenses and two extenders – the RF 85mm F2 MACRO IS STM, RF 600mm F11 IS STM, RF 800mm F11 IS STM, RF 100-500mm F4.5-7.1L IS USM, EXTENDER RF 1.4x, EXTENDER RF 2x. The imagePROGRAF PRO-300, an A3+ printer with the quality features of the award winning imagePROGRAF PRO series, also launches today.



EOS R6

KEY SPECIFICATIONS

- 20.1 megapixel full frame sensor
- Up to 20fps/ 12fps
- In-body IS up to 8-stops
- Dual Pixel CMOS AF II
- ISO range 100-102,400
- 4K movie 60p 10-bit, Full HD 120fps
- 3.69 million dot EVF
- 3inch 1.62 million dot vari-angle LCD
- Dual card slots (2x SD UHS II)
- AF multi-controller
- Built-in 2.4Ghz Wi-Fi and FTP
- Bluetooth
- USB charging and power via PD-E1
- Body only 598g (690g with battery/ memory card)



EOS R5

KEY SPECIFICATIONS

- 45 megapixel full-frame sensor
- Up to 20fps/ 12fps
- In-body IS up to 8-stops
- Dual Pixel CMOS AF II
- ISO range 100-51,200
- 8K movie 30p 12-bit (full width)
- 5.76 million dot EVF
- 3.2inch 2.1 million dot vari-angle LCD
- Dual card slots (1x CFexpress, 1x SD UHS II)
- Top panel display and AF multi-controller
- Built-in 5Ghz Wi-Fi with optional wireless transmitter (WFT-R10)
- Bluetooth
- USB charging and power via PD-E1
- Body only 650g (738g with battery/ memory card)



MEET THE IMAGEPROGRAF PRO-300



**A HIGH-QUALITY,
PROFESSIONAL A3+
PHOTO PRINTER WITH
SPACE-SAVING DESIGN**

Johannesburg, South Africa, 09 July 2020 – Today Canon Europe launches the imagePROGRAF PRO-300, an A3+ printer with the quality features of the award-winning imagePROGRAF PRO series – perfect for semi-pros and aspiring photographers, small studios and photo labs. With a lightweight, compact form factor, this mighty printer can produce gallery-quality prints from the convenience of a desktop.

Replacing the PIXMA PRO-10S, this new entry to Canon's imagePROGRAF PRO series inspires confidence with its easy-to-use software and design, rewarding photographers with impeccable prints every time. Photographers can leave the printing to imagePROGRAF PRO-300 and focus on their photography thanks to the built-in nozzle recovery and skew correction functions, which reduce ink and media waste. The imagePROGRAF PRO-300 enables borderless printing on all media types and improves black density and colour vibrancy on both fine art and glossy media. With the imagePROGRAF PRO-300, Canon photographers can enjoy a seamless workflow – from image capture to print – with features designed to bring their photos to life.

Fuss-free, gallery-quality printing

With exceptional monochrome printing, and vivid colour printing up to A3+, the imagePROGRAF PRO-300 is a must-have for photographers looking to submit quality prints for competitions, galleries, exhibitions or sales. Using 10 LUCIA PRO pigment inks, the printer achieves an expanded colour gamut to create greater depth and outstanding colour in every print. For a greater expression of deep blacks and monochrome images, this model uses new ink in both photo and matte black to realise deeper and more vivid blacks than ever before on glossy and fine art media. Its dedicated Chroma Optimiser lays down a clear ink to minimise surface irregularities on gloss or semi-gloss paper, reducing bronzing and delivering stunning tonal superiority.

Producing high quality prints without compromise, Canon's L-COA PRO processor easily handles large image data and calculates the optimal ink droplet layout at super-fast speeds - printing A3 in less than five minutes. With the LUCIA PRO ink system, photographers can achieve consistent, professional-level results across a wide variety of media with no hassle. With separate ink nozzles for photo and matte black, the printer uses a zero-ink switching method - automatically choosing the correct ink based on the paper loaded - saving time and reducing ink consumption.

Print confidently, work productively

The imagePROGRAF PRO-300 brings images to life in print form. With imagePROGRAF PRO technologies built into this model, users have confidence their original images will be reproduced faithfully and with maximum productivity. One of the biggest concerns when printing professional photography is the ink nozzles clogging and causing misfires. To combat this, the imagePROGRAF PRO-300 detects if any nozzle is not firing correctly and will switch to backup nozzles to ensure there is no banding in the image whilst it is being printed. If paper is not aligned correctly when fed through

the printer, the Auto Skew Correction function corrects and feeds the paper through to ensure a perfectly level print. In addition to this, the imagePROGRAF PRO-300 checks the density levels of ink tanks, and periodically shakes the cartridges to maintain constant ink density levels throughout each tank - ensuring colours are always consistent. Photographers can also quickly and easily navigate the printer's menus and functions with the clear and bright 3-inch colour LCD display that allows instant monitoring of printer functions, ink levels and paper settings. Such features ensure failsafe printing with the imagePROGRAF PRO-300 - saving both paper and ink.

Print without borders

Taking a huge step forward from the PIXMA PRO-10S, as this model also supports borderless printing in all print modes, including the highest quality printing on a wide variety of media - even fine art paper. What's more, photographers can even print panoramic images to custom lengths up to 990.60mm. Offering support for Canon and third-party paper, including Hahnemuhle, Canson, Awagami and many more, the imagePROGRAF PRO-300 gives users the freedom to print images with the paper of their choice. Alongside the launch of imagePROGRAF PRO-300 is the release of a new fine art paper from Canon - Premium Fine Art Rough (FA-RG1). This paper adds a three-dimensional touch to fine art images where depth and expression are desirable. With a luxury touch, the paper uses high quality cotton to deliver a special premium feel. Available in various sizes the paper weighs 310g/m² and is available in packs of 25 sheets. With this new addition of Fine Art Rough, Canon offers a complete range of professional photo paper for glossy, semi-gloss, matt and fine art media.

Seamless workflow

This compact A3+ printer streamlines the printing process, whether that's for a single photographer printing at

home or a photo lab. Users have complete control of their prints with the Canon Professional Print & Layout software, which comes free with imagePROGRAF PRO-300. Working as both stand-alone software, a plugin through Canon's Digital Photo Professional imaging software, or Adobe Photoshop and Lightroom - users can govern colour management, profiling selection and layout settings such as split gallery wrap printing and panoramic printing. Using this software, photographers can access the soft proofing and hard proofing functions to ensure precise colour matching from screen to print every time. Connecting easily with PC or Mac using a Wi-Fi, ethernet or USB connection, the imagePROGRAF PRO-300 offers a range of connectivity options to support multiple workflows.

With a complete line-up of solutions from input to output, Canon photographers can print images like never before. Working seamlessly with Canon's EOS camera technology to unlock unique features in the Canon Professional Print & Layout software, using the imagePROGRAF PRO-300 users can achieve the highest level of print fidelity from images captured only using EOS cameras. Functions such as DPRINT and HDR Print can read the RAW image data from EOS cameras, to reproduce the sharp areas of an image accurately, as well as recover highlights from single exposure images.

Also launching today are the ground-breaking EOS R5, capable of recording 8K RAW, the powerful EOS R6 and four new RF lenses and two extenders the RF 85mm F2 MACRO IS STM, RF 600mm F11 IS STM, RF 800mm F11 IS STM, RF 100-500mm F4.5-7.1L IS USM, EXTENDER RF 1.4x, EXTENDER RF 2x. The imagePROGRAF PRO-300 will be available from July 2020 and more information about it can be found here:

- <https://www.canon.co.za/printers/professional-photo-printers/a3-printers/imageprograf-pro-300/>
- <https://www.canon.co.za/printers/professional-photo-printers/a3-printers/imageprograf-pro-300/specifications/>
- <https://www.canon.co.za/printers/inkjet/pixma/photo-paper/premium-fine-art-rough-paper/>
- <https://www.canon.co.za/printers/inkjet/pixma/photo-paper/premium-fine-art-rough-paper/specifications/>



imagePROGRAF PRO-300 key features:

- A3+ Small footprint, big potential
- Gallery quality printing with no ink switching
- Print without borders on a wide variety of media
- Enhanced colour gamut for greater depth
- 3-inch colour LCD menu screen
- Outstanding monochrome print quality
- Accurate screen to print match, every time
- High speed, high quality printing



**CANON LAUNCHES 4 NEW RF LENSES –
EXPANDING THE LINE-UP'S CAPABILITIES
TO SUPER-TELEPHOTO PHOTOGRAPHY PLUS
TWO RF EXTENDERS**

Johannesburg, South Africa, 09 July 2020 – Alongside today's launch of the EOS R5 and EOS R6 – two cameras reimaging mirrorless joining Canon's revolutionary EOS R System – Canon Europe reveals four new RF lenses and two RF extenders. The new lenses bring telephoto capabilities to the innovative RF line-up as well as additional portrait and macro photography creative possibilities for professionals and enthusiasts.

Highlighting Canon's ongoing commitment to the EOS R System and the RF Mount, today's additions, like the rest of the RF line-up, take advantage of the System – enabling photographers to experience new levels of quality, performance and creativity.

Joining the RF line-up is:

- **The RF 100-500mm F4.5-7.1L IS USM** – a compact and versatile L-series telephoto zoom lens with a large focal length range, incredible image quality, 5-stop IS, fast Dual Nano USMs, weather sealing and a Lens Control Ring for enhanced operation.
- **The RF 600mm F11 IS STM and RF 800mm F11 IS STM** – the world's lightest autofocus lenses, including a focal length of 600mm and 800mm respectively. With super-telephoto focal lengths, full auto focus and image stabilisation capabilities, enthusiasts can take incredibly sharp and beautiful imagery from afar. Paired with the new RF extenders – the EXTENDER RF 1.4x and EXTENDER RF 2x – the lenses can reach an incredible 1200mm (RF 600mm F11 IS STM) and an extreme 1600mm (RF 800mm F11 IS STM) optical focal length. This provides enthusiasts with even greater flexibility and creative possibilities whilst retaining AF. Such features make them an ideal choice for a range of image capturing – from wildlife to aviation and even moon photography.
- **The RF 85mm F2 MACRO IS STM** – a must-have lens for enthusiasts entering the world of the EOS R System and looking to capture stunning portraits and fine detail up-close. Celebrating the benefits of the System, this wide-aperture portrait lens offers 5-stop Image Stabilisation (IS) (or 8-stops when using EOS R5/EOS R6) and macro

capabilities – two unique and stand-out features not seen in competitor lenses of this type on the market.

- **The EXTENDER RF 1.4x and EXTENDER RF 2x** – two high-performance and durable extenders with redesigned optics, created to expand the capabilities of the newly launched RF 100-500mm F4.5-7.1L IS USM, RF 600mm F11 IS STM and RF 800mm F11 IS STM. Both extenders allow professionals to push the focal length capabilities of compatible lenses, while maintaining the image quality and speed benefits of the RF Mount.

RF 100-500mm F4.5-7.1L IS USM – a compact and versatile telephoto zoom

Leading the range of L-series RF telephoto zoom lenses, the RF 100-500mm F4.5-7.1L IS USM is ideal for enthusiasts and professionals capturing sport, wildlife and aviation, and in need of a reliable, durable and compact lens. For those who want to go beyond a 100-500mm focal length range, the RF 100-500mm F4.5-7.1L IS USM is compatible with the new EXTENDER RF 1.4x and EXTENDER RF 2x – giving photographers even more scope and creative freedom.

With one Super UD lens and six UD lenses, the lens effectively suppresses chromatic aberration and ghosting/flare across the entire zoom range for high-resolution, high-contrast image quality from maximum aperture. In addition to this, featuring 5-stop IS, or 6-stops when used with EOS R5 and EOS R6, the RF 100-500mm F4.5-7.1L IS USM achieves improved and shake-free images for shooting handheld at long focal lengths or using slower shutter speeds.

Featuring Dual Nano USM AF motor technology, the telephoto zoom lens boasts accurate and high-speed

autofocus, quietly capturing wildlife with uninterrupted filming. What's more, Canon's innovative floating focusing system allows for improved close focusing down to 0.9m.

As standard with the RF lenses, the RF 100-500mm F4.5-7.1L IS USM features a programmable Lens Control Ring on the barrel, allowing photographers to change settings without taking their eye off the viewfinder. The adjustable torque zoom ring enables the zoom action to be made tighter or looser to suit the photographer's needs – perfect for those on the move. Being a L-series lens, it also features Canon's renowned weather sealing enabling the lens to be used in all conditions.

RF 600mm F11 IS STM and RF 800mm F11 IS STM – impressively lightweight super-telephoto lenses

A great affordable and lightweight choice for enthusiast photographers, the RF 600mm F11 IS STM and RF 800mm F11 IS STM are new-concept lenses offering super-telephoto focal lengths – allowing photographers to capture far away subjects in stunning detail. With a minimum focusing distance of 4.5m (RF 600mm F11 IS STM) and 6m (RF 800mm F11 IS STM) enthusiasts can get close to subjects while maintaining great focus. The lenses' capability to capture the action from afar with AF and IS capabilities is extended when used with the EXTENDER RF 1.4x and EXTENDER RF 2x. With such extenders, a number of impressive focal lengths can be achieved – the longest being 1600m when the RF 800mm F11 IS STM is used with the EXTENDER RF 2x.

Both lenses are equipped with an optical Image Stabiliser and also support Dual Pixel CMOS AF when paired with a Canon EOS R System mirrorless camera. This combination of features allows these super-telephoto lenses to deliver pin-sharp images – even when shooting without a tripod

or monopod – as motion blur caused by camera shake is drastically reduced.

Lightweight and compact, the lenses are shining examples of the possibilities of Canon's RF Mount. Using Diffractive Optics, combined with the RF Mount and a fixed f/11 aperture, both lenses highlight Canon's excellence in optical technology innovation. Having been completely re-thought and redesigned, both lenses are significantly smaller and lighter compared to existing EF super telephoto lenses. Equipped with a retractable barrel structure, the lenses are extended in use and easily retracted to be stored neatly – ideal for travelling photographers who have minimal kitbag space.

Boasting STM technology, both lenses offer extremely quiet and perfectly smooth focusing – excellent for video recording, as the lens operation noise is kept at a minimum. Adding to its ease of use, the Lens Control Ring on both the RF 600mm F11 IS STM and RF 800mm F11 IS STM gives enthusiasts direct and speedy control over Tv/exposure compensation/ISO/AF operationx settings. The lens' fixed aperture also provides a perfectly circular bokeh and their large focal length enables photographers to blur the background sufficiently when photographing subjects in the distance – an excellent characteristic for animal portraits as subjects stand out more.

RF 85mm F2 MACRO IS STM – picture perfect portraits

For enthusiast portraiture photographers, with its 85mm focal length, the lightweight RF 85mm F2 MACRO IS STM is ideal for capturing stunning shots with an attractive perspective and soft background. Coupling an f/2 aperture with full frame provides shallow depth of field for excellent results – even in low-light conditions.

The RF 85mm F2 MACRO IS STM offers 5-stop IS (or 8-stops when using EOS R5/EOS R6) and enables enthusiasts to capture subjects at an impressive 50% life-size with its 1:2 macro shooting capability. Both features, not found in other competitor models, offer enthusiasts incredible stills and video quality and supreme versatility. Thanks to STM

Autofocus, the RF 85mm F2 MACRO IS STM also achieves quick and smooth focus both in stills and video – making it the ideal choice for enthusiasts entering the world of mirrorless and hoping to capture quality video as well as take stunning images.

EXTENDER RF 1.4x and EXTENDER RF 2x – uncompromised images that go further

The EXTENDER RF 1.4x and EXTENDER RF 2x are for press, nature and sport photographers looking to capture subjects at great distance. Reliable and durable, these extenders match the performance of Canon's RF lenses and, when used with compatible lenses, deliver images of uncompromised quality.

Both extenders use the advanced high-refraction, low-dispersion glass to control curvature of field and chromatic aberration of magnification for the highest possible image quality. They also feature an optimised lens coating and a three-layer combined lens to reduce ghosting. Further enabling superior optical excellence, the extenders boast a heat shield coating to prevent performance deterioration in high temperatures and offer weather sealing when used with a compatible L-series RF lens. In addition to this, when used with the RF 100-500mm F4.5-7.1L IS USM, zoom range is limited to 300 to 500mm when the extender is connected to prevent the lens's rear elements from hitting those of the extender.

RF 100-500mm F4.5-7.1L IS USM Key Features:

- 100-500mm zoom range
- One Super UD lens and six UD lenses
- 5-stops IS (CIPA standard)
- Dual Nano USM

- Assignable Lens Control Ring
- L-series weather sealing
- Compatible with EXTENDER RF 1.4x / EXTENDER RF 2x (usable focal lengths, from 300 to 500mm)

RF 600mm F11 IS STM and RF 800mm F11 IS STM Key Features:

- 600mm (RF 600mm F11 IS STM) and 800mm (RF 800mm F11 IS STM) focal length
- Image Stabilisation (IS) up to (RF 600mm F11 IS STM: 5-stops, RF 800mm F11 IS STM: 4-stops)
- STM Autofocus Technology
- Lightweight (RF 600mm F11 IS STM: approx. 930g and RF 800mm F11 IS STM: approx. 1,260g)
- Compact - equipped with barrel structure that extends in use and retracts when stored
- Lens Control Ring – giving direct control over Tv/Exposure compensation/ISO settings
- F11 aperture lens with IS with full AF when paired with a Canon EOS R camera

RF 85mm F2 MACRO IS STM Key Features:

- 85mm focal length
- f/2 maximum aperture
- Lightweight at 500g
- STM Autofocus technology
- Up to 5-stops IS (CIPA standard)
- 1:2 macro capabilities

EXTENDER RF 1.4x and EXTENDER RF 1.4x Key Features:

- Advanced high-refraction low-dispersion glass
- Lens coatings and a three-layer combined lens to reduce ghosting
- Heat shield coating
- Vibrational shock resistance, dust and water resistance

TANKWA

National Park

This striking destination straddles the Northern and Western Cape, presenting visitors with what is known as the Succulent Karoo. With the Roggeveld Mountains to the east and the Tankwa Rivers in the west, you are bound to find landscape variations that present the finest displays of light and shadow.



On these vast, empty planes where the soil meets the sky in the distance, starlight explodes across the sky at night and soft sunlight lingers between the mountains at dusk. Discover nature's keepers – from Gemsbok, Kudu, Eland and Zebra – as well as nature's crown – the richest succulent flora.

Whether you're looking for comfy cottages or want to rough it in a tent, there is a range of accommodation options to fit the experience you're looking for. Activities include game driving, bird watching, 4x4 trails, hiking and cycling.



Surrounding TOURIST SITES

You may have to drive a bit, but the surrounding sights will definitely be worth it!



KIMBERLEY'S BIG HOLE

So, what's all the fuss about? The world's largest man-made hole was created to mine for diamonds in the 1870s. Spanning the length of eight football fields, this chasm is now filled with water, creating a one-of-a-kind setting.

AUGRABIES FALLS NATIONAL PARK

Near the frontier of Namibia, lies one of the country's greatest wonders. The Orange River plunges almost 150 metres wide into an 18-kilometer gorge, forming the sixth largest waterfall in the world. The Hottentots, who considered the falls a sacred place, named it "Augrabies" which means "place of the great noise". This fitting name represents the power of nature and makes a wonderful setting for unique images. It also includes a hiking trail and camping facilities so that you can soak it all in.



THE KIMBERLEY MINE MUSEUM

Children are also sure to find the nearby Kimberley Mine Museum fascinating as it takes them back in time to the days of adventure and riches. Consisting of 50 buildings, this village was established during the diamond rush days. The houses are furnished in the style of the time, recreating a forgotten reality that is striking to behold.

Right: Reconstructed shops from the mining era at the Big Hole Mine Museum.



We are currently living in the post-perfect age, where authenticity is becoming the order of the day. As individualism and its attendant “flaws” take centre stage, audiences are calling for imagery that shows who the person really is or what’s actually going on, rather than an air-brushed, artificial version of it.



In photography, this trend has emerged as “Authentic Photography” which focuses on real people in real situations, as can be seen in L’Oréal Paris and British Vogue’s The Non Issue edition, featuring women over 50.

The 2020 iteration of this trend is called “Candid Photography” and places an emphasis on spur-of-the-moment shots. To achieve the sincerity that comes with genuine honesty, the photographer must be invisible, making this a challenging style to employ. The goal is to capture what is happening, rather than directing it for the sake of the shot. This demands quick action, good intuition and the right gear. For further tips go to: <https://www.photographytalk.com/what-is-candid-photography>

Are you ready to get real?

Let's get

REAL



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DAY *and* NIGHT

Throughout the ages, many cultures believed that celestial occurrences symbolise important ideas and concepts. Day and night were thought to represent two different worlds, each half forming part of the whole - Light and Dark, Life and Death, Order and Chaos.

As the world faces the dark, the light and everything in between, it seemed fitting to explore the magic of light and shadow in all its variations for this issue. These moments show that beauty can be found in chaos - all you need to do is look to the stars. We hope this work inspires you to appreciate the natural forces that represent the balance in all things.

THEME



As the **SUN**
LIGHT takes hold

HOW DID YOU BECOME INVOLVED IN PHOTOGRAPHY?

My brother is a good photographer and nudged me to put some of my phone pics on Instagram. After a while, I wanted to improve my skills and joined a photography club. At first, I participated with phone pics but saw that I needed better equipment to pursue my hobby. Luckily, I got a blessing from my mother and was able to buy a proper camera, i.e. a Canon 77D, and some lenses.

WHAT DO YOU TRY TO CAPTURE THROUGH YOUR WORK?

The beauty of nature.

WHAT IS YOUR TYPICAL LENS KIT THESE DAYS?

I have a standard lens (18-300), a macro lens (180mm) and a bird lens (300-600 mm).

WHAT KIND OF LIGHTING EQUIPMENT DO YOU TAKE ON A SHOOT?

Only the camera flash.

WHICH CAMERA/S DO YOU OWN?

The Canon 77D.

WHICH TOOLS DO YOU USE FOR POST PROCESSING?

Photoshop - I have the basic Adobe package.

DO YOU HAVE ANY ADVICE FOR OTHER NEW PHOTOGRAPHERS?

Get to know your gear. Focus is the main objective. Another critical step is the background and angle of your shoot. Take as many pics as you can since you can't capture the moment the next day.

ANY FINAL WORDS?

Take photos of things you love and your passion will bring you success.

André Schoonbee





LONG EXPOSURE

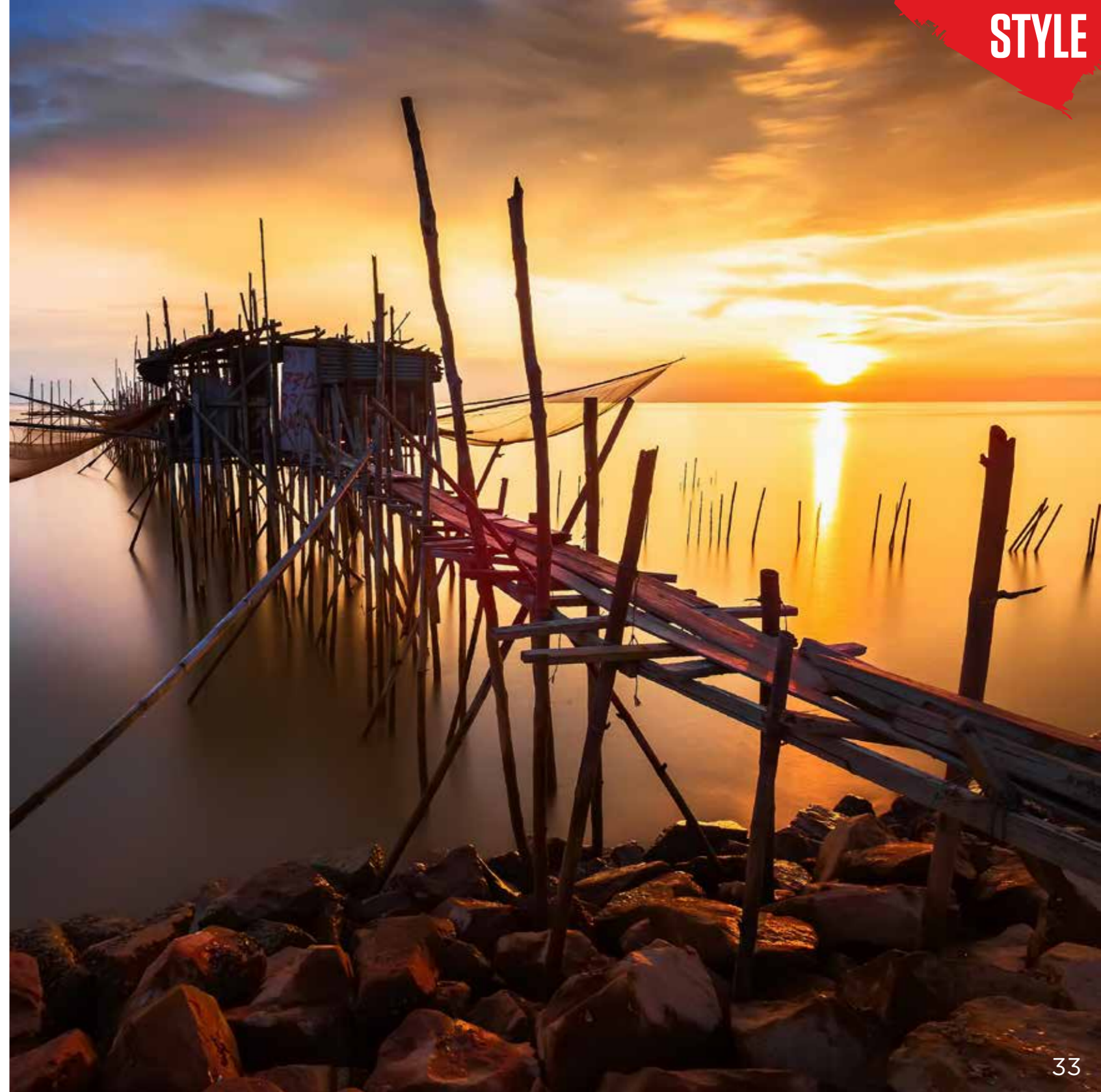
Photography

Also known as time-exposure or slow-shutter photography, this style involves using a long-duration shutter speed to sharply capture the stationary components of the image while blurring, smearing or obscuring the moving elements. This form of photography aims to capture an extended period of time.

By highlighting the paths of moving objects, clouds form broad bands, stars leave streaks across the sky and water waves appear smooth. Only bright objects will leave these trails while dark objects tend to disappear.

Here are a few examples of when you can use Long Exposure Photography:

- Steel wool photography
- Lightpainting
- Startrails
- Cityscapes
- Streetlife
- Abstract photography





Heavens in the
DARK

I am completely self-taught. When I first got into photography, I read absolutely everything I could get my hands on. Nowadays, I spend hours of my time on YouTube learning as much as I can, and I spend as much time as possible with my camera in my hands trying to get what I envision. Sometimes I sort of get there, other times not.

*Christo
Smith*



HOW WOULD YOU DESCRIBE YOURSELF?

I am proudly South African.

HOW WOULD YOU DESCRIBE YOUR STYLE OF PHOTOGRAPHY?

Contrast-driven and often desaturated when it comes to working with people. I love long exposures with landscaping, stars and lightning.



PRO



HOW DO YOU KEEP YOURSELF INSPIRED TO CREATE NEW PROJECTS?

I find balance is the key. Believe it or not, I used to be a professional magician. I absolutely loved magic and entertaining people. Eventually though, it became all work and no play, so I started hating it. I vowed to never let that happen to my photography.

I work hard, but when I get the chance, I shoot stuff that I want to shoot for myself; often this content is what ends up on my social media.

HOW HAVE RECENT TECHNOLOGICAL ADVANCES IN PHOTOGRAPHY HELPED YOU ACHIEVE MORE WITH YOUR WORK?

Some of the newer DSLRs really have gone a long way with low-light capabilities. I can push the ISO without getting too much noise and still be able to create an image that works.

Also, when it comes to boxing, the high frame-per-second rate really goes a long way toward getting "the money shot".

WHAT KIND OF LIGHTING EQUIPMENT DO YOU TAKE ON A SHOOT?

It depends on the shoot. Generally, for studio stuff (indoor or outdoor), I have a Godox AD600 as well as a Jinbei HD600. They're absolute lighting beasts. On events, I have a good old Canon speedlight which does the trick.

WHICH CAMERA/S DO YOU OWN?

Currently, my main workhorse is the Canon 1DX. I also love my Canon 6D Mark ii as well as the 7D Mark ii.

DO YOU HAVE ANY ADVICE FOR OTHER NEW PHOTOGRAPHERS?

Shoot as much as you can. Don't worry about the most expensive equipment. Use what you have, or can get hold of, and get out and shoot.

Learn. Find photographers online that inspire you and learn from them. There are tons of tutorials on YouTube. Watch, and try to put it into practice. Your journey will be your own but remain humble and learn.



Final words

Beauty is everywhere around you – just keep your eyes open and look. You may be astounded as to what you see.

If you would like to see some of my personal work, please have a look at my social media pages:

<https://www.instagram.com/magicsmith/>

<https://www.facebook.com/christosmithphotography/>

<https://www.facebook.com/ChristoSmithBoxingPhotography/>



How to create a GLASS REFLECTION IN ADOBE PHOTOSHOP

Learning how to make a reflection is a great way to make product photos look lifelike. With a few easy steps, you can put your product on a dramatically reflective glass.

by Kate Jackson



STEP 1

Open your image in Photoshop

Use a photo that features the product at eye-level, as this will make creating a reflection an easier process than creating a reflection of an angled object.



STEP 2

Enlarge your canvas

Your canvas size needs to be big enough to accommodate your product's reflection.

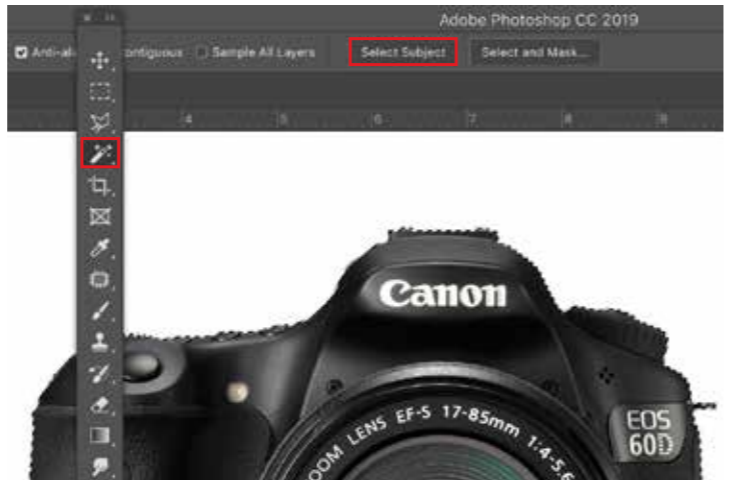
Go to the Image menu and select Canvas Size. Set the canvas height to double its original height.



STEP 3

Select your object

Use the Magic Wand tool and choose Select Subject. Photoshop will automatically create a selection of your product when it is on a white background.

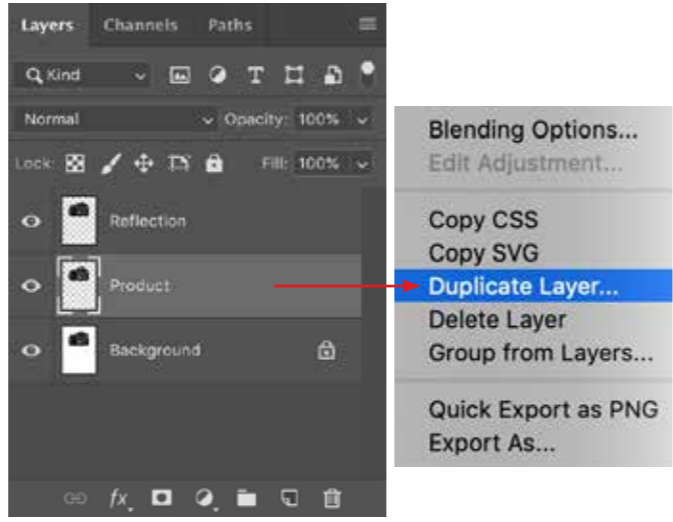


STEP 4

Duplicate and flip your object

With your product still selected, copy your object by typing CTRL+C and paste it by typing CTRL+V. The isolated product should automatically appear in a new layer which you can name 'Product' by double-clicking on the layer and renaming it.

Select your Product layer and duplicate it by right-clicking and selecting 'Duplicate Layer'. You can name this layer 'Reflection'.



STEP 5

Create symmetry with your reflection

Select your Reflection layer and choose Edit > Transform > Flip Vertical.



STEP 6

Move your product down

With the Reflection layer still selected, move the flipped product image down to rest just under the product image using the Move tool.

You can select the image while holding down the SHIFT key to keep the image lined up correctly while dragging it down.

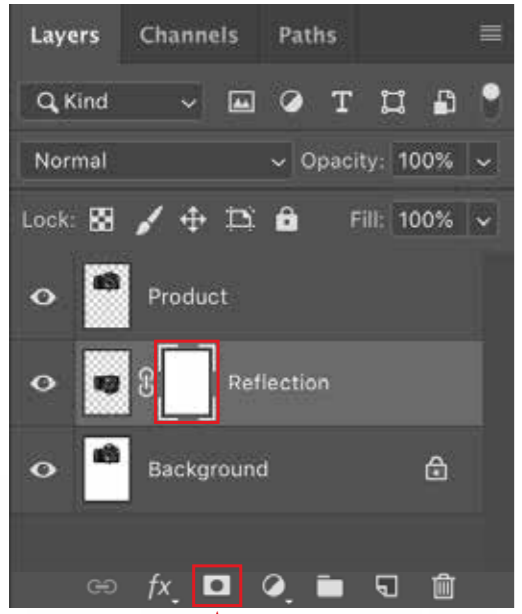


STEP 7

Add a layer mask

Once the product and its reflection are lined up, we create a layer mask to make the reflection gradually fade away. To add a layer mask to the Reflection layer, click on the mask icon at the bottom of the Layers panel.

Select your layer mask. When selected your layer mask will look like it has a dashed line around it in the Layers panel.

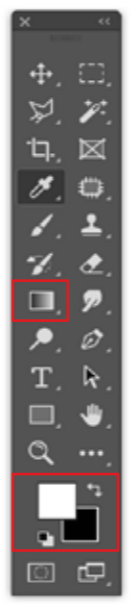


STEP 8

Set your gradient

In your Toolbar, set your background color to black and your foreground color to white.

Then select the Gradient tool from the toolbar and make sure the gradient is set to white-to-black at the top of the application window.

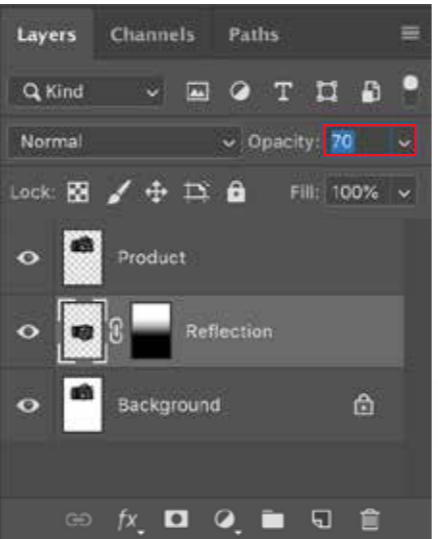


STEP 9

Create the reflection

Make sure you still have your Reflection layer's mask selected. Starting in the middle of your product, draw a straight line through your image to the bottom of your reflection.

To make the reflection look even more realistic, reduce the opacity of your Reflection layer until you like the way it looks. Make sure you've selected the layer and not the mask.





get INSPIRED

Keep pushing your potential!

It's never too late to mix it up and stretch your abilities. By experimenting with the unknown, you broaden your vision, opening your eyes to new possibilities you may not have seen before. We've sampled some helpful material to guide you.



STEP IT UP

Wondering how to take your photography to the next level? Here are some tips on how to mix things up and give yourself a new challenge.

<https://digital-photography-school.com/take-your-photography-to-the-next-level/>



TIPS ON LONG EXPOSURE PHOTOGRAPHY

If you'd like to try your hand at Long Exposure Photography, then just follow this guide.

<https://capturelandscapes.com/ultimate-guide-long-exposure-photography/>



FINDING NEW MODELS

As a portrait photographer you're always on the lookout for new subjects to capture. Here's some guidance on finding new models.

<https://www.thephoblographer.com/2020/01/14/a-portrait-photographers-guide-to-finding-new-models-to-photograph/>



HOW TO FIND YOUR PHOTOGRAPHY STYLE


Wondering what your photography style really is? Find out here.

<https://clickitupanotch.com/photography-style/>



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