

[IRIX]



PRODUCT RANGE



reddot winner 2020



reddot award 2019
winner

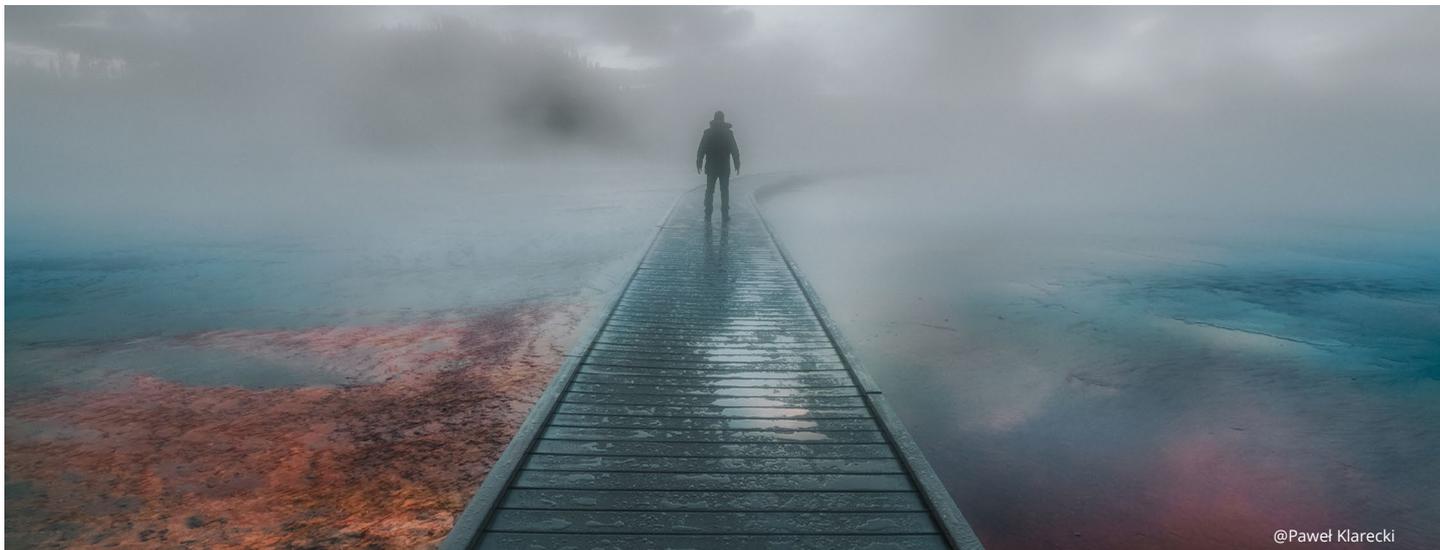


The **photographer's dream.**

Built by engineers, perfected by designers with maximum functionality and powered by innovative technology. While designing **Irix** we have paid particular attention to every

detail that counts in photography.

Whether it is shooting landscapes, street photo, sports or capturing architectural curves and circles, we want to be sure that we provide a lens that is **solid, intuitive, accurate** and **handy**.



"The Irix 15mm f/2.4 is a pleasure to use, thanks to its superb build quality, smooth focus ring & hyperfocal scale."

Photography blog

"The Irix 150mm f/2.8 Macro lens is an excellent manual focus macro lens with a usefully longer than average focal length."

ePhotozine

"I was incredibly surprised at the quality of the Irix and can easily say it is an excellent lens."

Digitalrev

"The Irix 11mm f/4 Blackstone is a lens that impresses me a whole lot."

The Phoblographer

„It opens up a whole new world of creative possibilities in a well-made, well-designed package that delivers the image quality."

The Digital Picture

„(...) this is probably one of the best lenses with which I have ever worked (...)"

Rex Jones, Fstoppers



Main Features:

- › Internal focusing
- › Water-resistant construction
- › Ultra-wide angle of view
- › In-camera focus indicator
- › Aperture control straight from the camera
- › Semi-automatic modes (PASM)
- › All exposure parameters are saved in EXIF data
- › „Infinity Click” feature
- › „Focus Lock” feature
- › Rear gel filter slot
- › Hyperfocal scale markings
- › Reinforced metal construction
- › Available with Canon EF, Nikon F, Pentax K mount

The extremely wide Full Frame **rectilinear** lens with an angle of view of **126°**. 4 high refractive lenses, 2 ED lenses, 3 aspherical lenses guarantee a **very low distortion** of 3,13% which makes this lens **unique** in its class.

The **Focus Lock** system, special weather and dust sealing, the **Infinity click**, a rear filter slot and UV reactive markings (Blackstone version) are all combined in the solid aluminium alloy construction that makes **Irix 11 mm** lens unbeatable tool for landscape, architecture, nightscape and extreme photography.

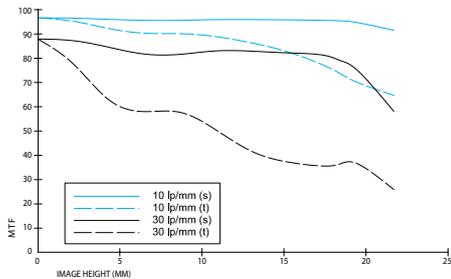


SPECIFICATION

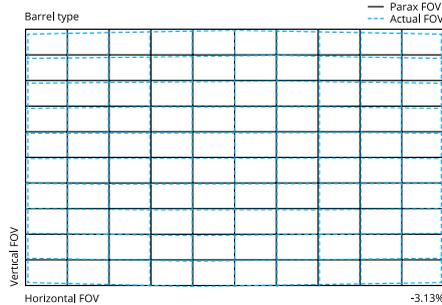
image format	35 mm "Full Frame"
focal length	11 mm
aperture range	f/4.0 - f/22
focusing range	0,27 m (0.9 ft) - ∞
focusing type	manual with lock function
field of view	126° (diagonal)
aperture control	via camera
aperture shape	9 rounded blades
lens construction	16 elements in 10 groups
front filter thread	no
rear gelatin filter slot	30 x 30 mm
available mounts	Canon EF, Nikon F, Pentax K
dimensions (D x L)	118 x 103 mm (4.49" x 4.05")
weight	730 - 790 g (1.61 - 1.74 lbs)

11 f/4.0
mm

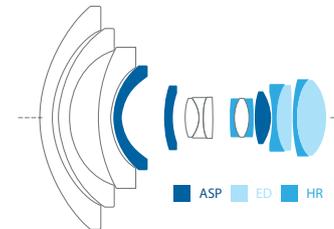
DIFFRACTION MTF



DISTORTION



OPTICAL SCHEME



A wide-angle landscape photograph of a wooden pier extending into a calm sea at sunset. The sky is a mix of purple, pink, and blue, reflecting on the water. The pier is made of weathered logs and has a simple railing. The overall mood is serene and atmospheric.

[IRIX]

15 $\frac{f/2.4}{\text{mm}}$

@Riccardo Mantero

Main Features:

- › 95mm front filter thread
- › Compatible with Irix Edge IFH-100 Filter Holder
- › Internal focusing
- › Water-resistant construction
- › In-camera focus indicator
- › Aperture control straight from the camera
- › Semi-automatic modes (PASM)
- › All exposure parameters are saved in EXIF data
- › Ultra-wide angle of view
- › „Infinity Click” feature
- › „Focus Lock” feature
- › Rear gel filter slot
- › Hyperfocal scale markings
- › Reinforced metal construction
- › Available with Canon EF, Nikon F, Pentax K mount

The **rectilinear** Full Frame super-wide angle lens with an angle of view of **110°**. The detachable lens hood along with the filter window for a better control and comfort of use and the 95 mm filter thread make this lens the best in its class tool for professional photographers. 3 high refractive lenses, 2 ED lenses, 2 aspherical lenses guarantee a **very low distortion**.

The **Focus Lock** system, special weather and dust sealing, the infinity click, a rear filter slot and UV reactive markings (Blackstone version) are all combined in the solid aluminium alloy construction that makes **Irix** the best companion in every photographic situation.

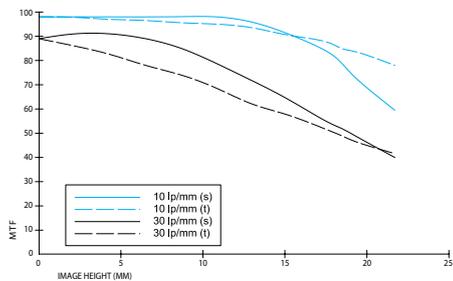


SPECIFICATION

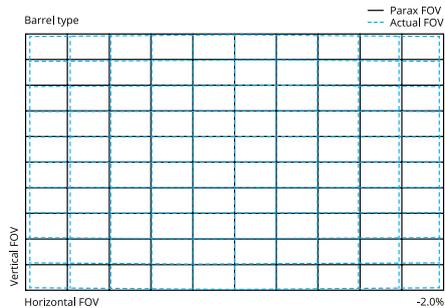
image format	35 mm "Full Frame"
focal length	15 mm
aperture range	f/2.4 - f/22
focusing range	0,28 m (0.92 ft) - ∞
focusing type	manual with lock function
field of view	110° (diagonal)
aperture control	via camera
aperture shape	9 rounded blades
lens construction	15 elements in 11 groups
front filter thread	95 mm
rear gelatin filter slot	30 x 30 mm
available mounts	Canon EF, Nikon F, Pentax K
dimensions (D x L)	114 x 100 mm (4.49" x 3.94")
weight	581 - 685g (1.28 - 1.51lbs)

15 $\frac{f}{2.4}$ mm

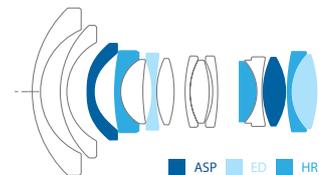
DIFFRACTION MTF



DISTORTION



OPTICAL SCHEME



TECHNOLOGIES AND SOLUTIONS

Front filter thread

Irix 15mm f/2.4 gives a possibility of using 95mm screw-in filters at the front.

Focus lock

Focus lock function holds focusing ring at desired position and prevents from its accidental rotation. This function works perfectly for **hiking** and **street photography**.

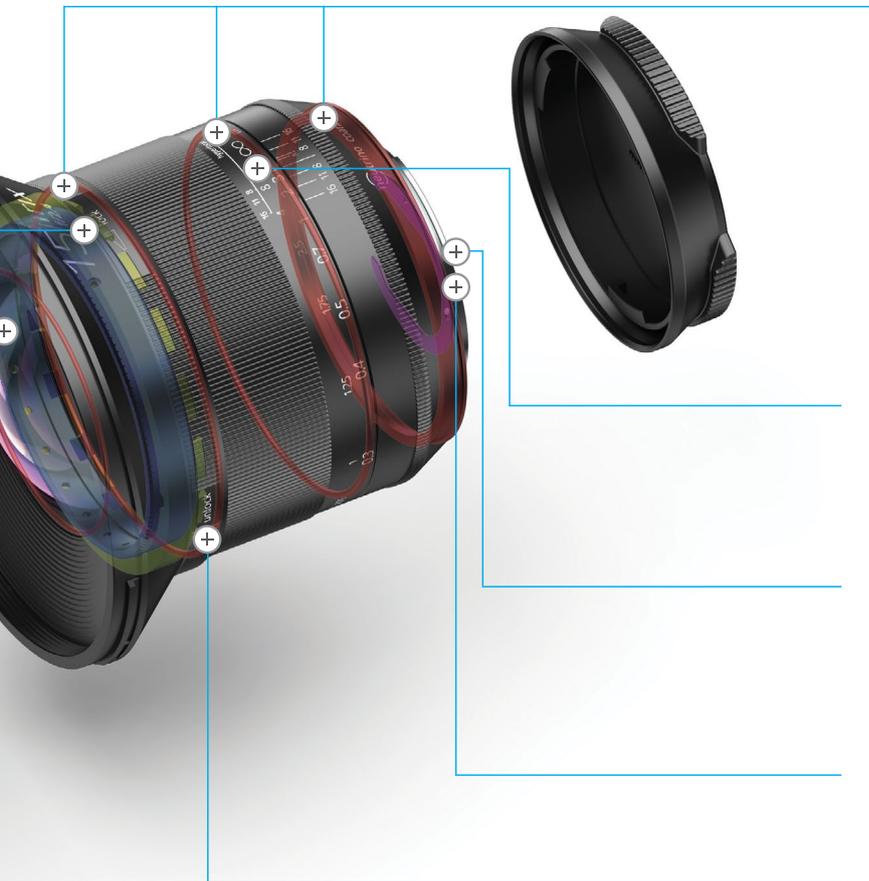
Filter window

Functionality is important! Petal lens hood has a sliding window that allows to rotate filters without removing lens hood.

Neutrino coating formula

Neutrino coating is a special formula, which is combined with several types of anti-reflective layers that provide perfect light transmission, high contrast and natural colors.





Weather sealings

Irix 15mm f/2.4 lenses are made with phenomenal precision to make them immune for the hardest weather conditions. Each lens is equipped with a weather sealed construction that protects the interior against dust and moisture. Thanks to inner seals, our lenses are also protected from accidental water splashes.

Infinity click

When the focusing ring is set in the “infinity” position, there is a noticeable “click” (infinity click), making it easy to find the value without looking. This function is ideal for nightscape photography because it allows getting perfect focus at infinity without looking at focusing scale.

Rear gelatin filter slot

Irix lenses are equipped with a slot for gelatin filters what increases versatility of the lens. Photographer has an ability of application both filters **simultaneously** (one in the front and the second one in the back of the lens for ex. polarizer filter in front and ND filter in the back). The size of gelatin filter slot is 30x30mm.

Electronic aperture control

Electronic aperture control simplifies the use of lens and allows to store aperture value in Exif.

Focus scale calibration

Each Irix lens that leaves the factory is properly calibrated. However, focus scale calibration function provides the unique opportunity to adjust the focus scale for a particular model of the camera.

[IRIX]

TWO



Firefly

- Lightweight housing >
- with metal internal construction >
- Wide focusing ring with anti-slip texture >
- Standard printed markings >
- Dust and moisture protection >
- Supplied with a soft pouch >

11 $\frac{f/4.0}{\text{mm}}$ | 15 $\frac{f/2.4}{\text{mm}}$

FINISHES

IRIX

Blackstone

- › Reinforced metal internal & housing construction covered with anti-scratch finish
- › Extraordinary smooth mechanical operation
- › All-metal focusing ring with anti-slip grooves
- › Engraved markings filled with UV light reactive paint
- › Excellent dust and moisture protection
- › Supplied with a convenient hard-case



11 $\frac{f/4.0}{\text{mm}}$ | 15 $\frac{f/2.4}{\text{mm}}$



[IRIX]

45 $\frac{f/1.4}{\text{mm}}$

@Fernand Goncalves

| Dream Bokeh

| Fast Aperture

| Classic Focal Length

Main Features:

- › Smooth bokeh
- › Fast F/1.4 aperture
- › Water-resistant construction
- › Aperture control straight from the camera
- › In-camera focus indicator
- › Semi-automatic modes (PASM)
- › All exposure parameters are saved in EXIF data
- › Field of view of 50 degrees
- › „Focus Lock” feature
- › Focusing ring throw of 140 degrees
- › Reinforced metal construction
- › 77mm front filter thread
- › Available with Canon EF, Nikon F, Pentax K mount

Irix 45mm f/1.4 stands out in many respects from other designs.

It's a compelling **alternative for all fans of 35-50mm focal lengths**, thus allowing a **more creative** approach to photography.

The **fast f/1.4 aperture** allows your subject to be **isolated beautifully from the background**, and the **9 rounded aperture blades** will not only provide a beautiful background blur (Bokeh), but also **amazing image sharpness** and clarity.

The lens has an **electronic aperture control** straight from the camera to simplify the use of the lens and allows to save all exposure information in EXIF data.

The Irix 45mm F/1.4 lens has also unique „**Focus Lock**” feature which allows you to lock the focus ring in a specific position. This is especially important when shooting with small relative aperture values, when taking landscape photos, and also when you want to keep a specific distance from the subject.

SPECIFICATION

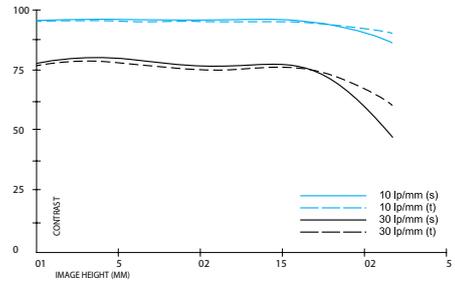


image format	35 mm "Full Frame"
focal length	45 mm
aperture range	f/1.4-f/22
focusing range	0,4 m (15.72 ft) - ∞
focusing type	manual with lock function
field of view	50.8° (diagonal)
aperture control	via camera
aperture shape	9 rounded blades
lens construction	11 elements, 9 groups
front filter thread	77 mm
available mounts	Canon EF, Nikon F, Pentax K
dimensions (D x L)	105 x 87 mm (4.13" x 3.42")
weight	905 - 925g (1.99 - 2.03 lbs)*

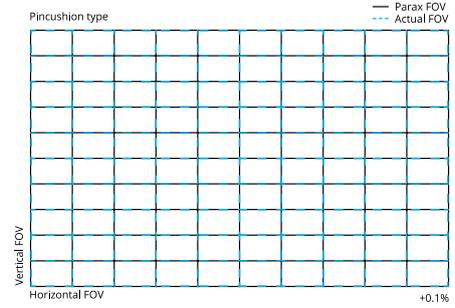
* For Canon EF lens mount-version
without lens hood and lens caps



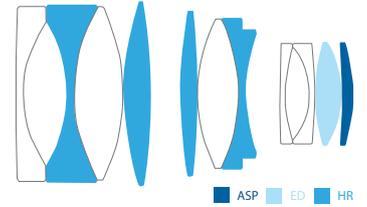
DIFFRACTION MTF



DISTORTION



OPTICAL SCHEME



[IRIX]

150 Macro
f/2.8
mm

@ Stewart Wood



reddot award 2019
winner



Modern and versatile true **1:1 macro telephoto lens** designed for **full-frame** DSLR cameras.

The unique feature of the Irix 150mm f/2.8 lens is the 1:1 Macro reproduction ratio available at the minimum focusing distance of 34cm making a comfortable amount of space for macro photography.

The lens is equipped with an **11 rounded aperture** blades diaphragm which provides stunning sharpness on the entire frame with a pleasant background blur (bokeh).

High precision of focusing is ensured by a wide, rubber-coated **focusing ring** with **270°** focus throw.

An additional Focus Lock ring ensures that the focus position remains fixed when needed.

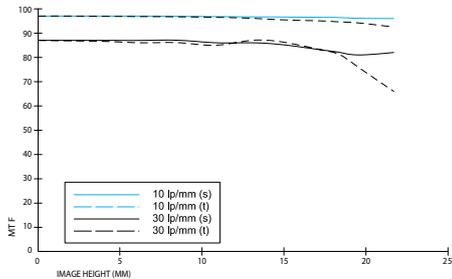
The Irix 150mm f/2.8 Macro 1:1 uses a total of **five rubber seals** in crucial points which combined with internal focusing construction makes it extremely resistant to moisture and dust.

The lens is equipped with a **detachable tripod collar ring** which provides a better balance of the camera on the tripod.

Available with Canon EF, Nikon F, Pentax K mount

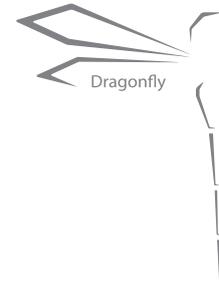


DIFFRACTION MTF



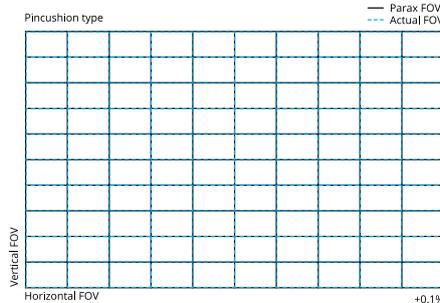
SPECIFICATION

image format	35 mm "Full Frame"
focal length	150 mm
aperture range	f/2.8 - f/32
focusing range	0,345 m (1.1 ft) - ∞
focusing type	manual with lock function
field of view	16,2° (diagonal)
aperture control	via camera
aperture shape	11 rounded blades
lens construction	12 elements in 9 groups
front filter thread	77 mm
macro ratio	1:1 (at 0,345 m)
available mounts	Canon EF, Nikon F, Pentax K
dimensions (D x L)	87 x 128 mm (3.43" x 5.04")
weight	840 g (1.81 lbs)

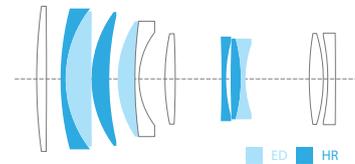


150 Macro
f/2.8
mm

DISTORTION



OPTICAL SCHEME



45 $\frac{f/1.4}{\text{mm}}$

IRIX

150 $\frac{\text{Macro}}{f/2.8}$
mm

Main Features:

- › Strong internal construction based of metal components
- › Lightweight composite housing combined with Al-Mg alloy
- › Anti-scratch finish
- › Anti-slip coating on focusing ring
- › Engraved markings covered with UV reactive paint
- › Superior dust and moisture protection
- › Supplied with a convenient hard case



LATEST & MOST INNOVATIVE SOLUTIONS

in Durable & Weather sealed Housing

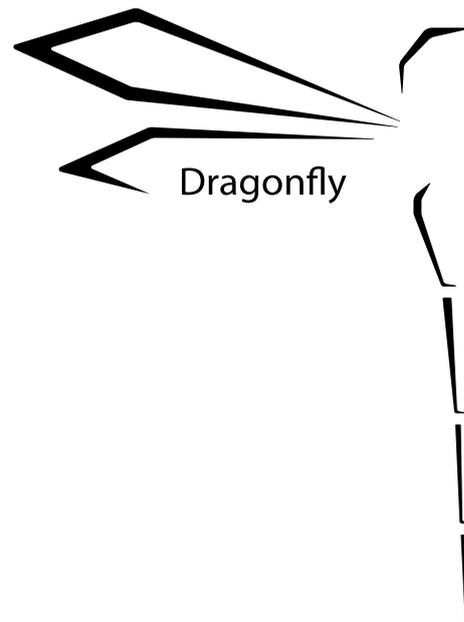
Dragonfly

At Irix, we follow the principle that a lens is not only a tool for photography - it's also about the entire process of creating a photo, which is greatly influenced by the joy of using lenses. That's why we **pay attention to the design and ergonomics** for Irix products.

The Dragonfly version is a combination of **metal** elements with **composite components**, which makes the whole construction not only **strong**, but also **lightweight**.

In addition to its reinforced construction, the lens also has many **weather sealings** in crucial points, which in conjunction with its **internal focusing** mechanism, means that you can **use it without any difficulty in all weather conditions and environments**.

After extensive testing done on the **Focusing Ring** material, we have developed a material that provides excellent durability and resistance to weather conditions. The **Focusing Ring** also has a special texture with a noticeable notch which directly affects its comfort of use. After some time, the user can feel the position of the ring, thanks to which focusing becomes even **faster** and **easier**.



EDGE

FILTER SYSTEM



@Bleron Caka



Irix lenses were designed with both the effort and experience, of not only engineers but also photographers. **Swiss precision** and **Korean innovation** create patented solutions with the finest optical performance and usability.

Now based on our experience with lenses we want to introduce you **Irix Edge Filter System** lineup which was based on opinions and test done by professional photographers and made by our R&D team to get the best possible results.

The **Irix Edge IFH-100 system** is **most compact** and **lightest** square filter system **in the world** (in it's class) which is especially important with modern DSLR and mirrorless cameras.

All of the Irix Edge filters are characterized by the highest precision and optical quality to be able to meet the image quality generated by **Irix** and other high-end lenses.

Both surfaces of the filter are covered by the **multilayer anti-reflective coating** and water/oil - repellent NANO coating providing with high light transmission and natural colours in any weather conditions.

Irix Edge Filter System lineup which includes:

- › Round Filters
- › Square Filters
- › Accessories



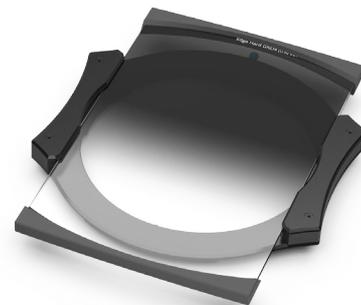
IRIX EDGE IFH-100 FILTER HOLDER



Main Features:

- › The lightest filter holder for 100mm filters in its class
- › Two filter slots
- › Dedicated and universal screw-in adapters
- › Easy and fast attachment

The holder can be **adapted to almost any lens** using the lens adapter ring (its **diameter ranges from 52mm to 95mm**). Special, quick mount bayonet adapter for Irix 15mm f/2.4 is included with holder. Other adapters are offered separately.



IRIX EDGE 100MM SYSTEM

@Pawel Klarecki



IRIX EDGE 100MM FILTERS

Size	Full-ND: 100x100 mm, Gradual Filters: 100x150 mm
Filter thickness	2 mm
Compatibility	Irix IFH-100 and other 100mm systems
Antireflection coatings	multilayer
Special type coatings	NANO, anti-reflective, water and oil repellent

Advantages

of using Irix Edge Gradual filters:

- > One set of filters can be used with many lenses
- > What You See Is What You Get - you see the final result before hitting that shutter button!
- > Easy to stack multiple filters
- > Easily adjustable filter position for using graduated filters

100MM FULL ND

Available densities:

- ND8 (0.9) 3EV
- ND32 (1.5) 5EV
- ND128 (2.1) 7EV
- ND256 (2.4) 8EV
- ND1000 (3.0) 10EV
- ND32000 (4.5) 15EV



True neutral colors

True neutral colors – thanks to the use of the **highest quality optical glass** and specially selected **coatings**, Irix Edge filters remain truly color-neutral. Even when using extreme filters, such as the Irix Edge ND32000, you can still be sure that the **colors** in the image will **remain natural throughout the entire composition**.

Free your creativity with Irix Edge 100mm Full ND

The purpose of Irix Edge 100mm Full ND filters is to **reduce the light that reaches the camera's sensor**. Irix Edge Full ND filters will allow you to create some incredible effects that **will make your photos even more stunning**, such as:

- › Smoothing Water and Skies
- › Shooting with a fast lens on a sunny day with proper exposure
- › Allowing you to take a photo without any distracting (moving) elements such as crowds or cars (ND32000)
- › Obtaining the proper exposure (shutter speed) for video



100MM GRADUAL FILTERS



TYPE OF SCENERY

Irregular horizon line like in the mountains, city, forest etc.

The **Irix Edge Soft Gradual** filter is available in following densities:

- > ND4
- > ND8
- > ND16
- > ND32



Flat horizon line like lake, sea, plain etc.

The **Irix Edge Hard Gradual** filter is available in following densities:

- > ND4
- > ND8



Sunrise and sunset shots.

The **Irix Edge Reverse Gradual** filter is available in following densities:

- > ND8



Every **Irix Edge 100mm Filter** comes with a functional **Filter Case** so you can be sure that your **filter is secure during transport or storage.**



IRIX EDGE ROUND FILTERS



@Kuba Witos



The **Irix Edge Round filters** are made of optical glass with lightweight aluminium frame. Both sides of every filter are covered by multi-layer **anti-reflective coating** and **NANO coating**. It makes them not only water and oil repellent but also resistant to light reflections so you can be sure that every shot you take has **excellent contrast** and **colours**.



IRIX UV & PROTECTOR

The Irix Edge UV & Protector ensure the **safety of your lens** in all conditions. This filter is useful when you need suitable lens protection while hiking, travelling, or when shooting sport, as well as for daily lens protection against dust, water, accidental scratches.





The **Irix Edge round Full-ND** filter is a special type of filter which allows to **reduce the amount of light reaching the camera sensor** and use slower shutter speeds.

This type of filter is especially important if you want to achieve **motion blur effect** or use **fast prime lenses** during the day.

The filter is available in the following densities:
ND8, ND32, ND128, ND1000, ND32000 (95mm filter thread only).



The **Irix Edge Circular Polarizer** allows to achieve in-camera effects that are hard or impossible to achieve in post-production.

Effects of using an Irix Edge Circular Polarizer filter:

Glass & Water - makes it more transparent.

Metal - it shuts out most of the reflections, thus achieving a natural structure and colours.

Foliage - the filter shuts out all of these reflections and so increasing colour saturation and clarity of the foliage.

Sky - polarization effect creates a deep blue colour of the sky and improves clouds' contrast.

LIGHT POLLUTION

The **Irix Edge Light Pollution (SR)** is a type of filter made especially for **nightscape photography**. It eliminates the yellowish colours caused by sodium lamps used in cities.

This type of filter ensures:

- › **Significant colour improvement**
A filter that guarantees the best possible colour rendering for the night photography
- › **Improved overall contrast**
The filter removes the yellowish haze present so that the whole image gains much more contrast



The **Irix Edge Light Pollution** is a filter from the **Super Resistant (SR)** series. The optical glass due to special thermal and chemical treatments gets significantly improved resistance against break, accidental drop or scratches.



@Kuba Witos

IRIX EDGE FILTERS KEY FEATURES

@Pawel Klarecki



The **Irix Edge filters** has been developed based on the **highest quality optical glass** which guarantees high light transmission.



The filter also has a **NANO coating** with hydro and oil-repellent characteristics. This means that dirt does not adhere to its surface and so maintenance of the filter's surface is easy.



A **multilayer anti-reflective coating** has been applied to minimize the risk of unwanted reflections on both surfaces of the filter.



The filter frame is made of **lightweight** and **durable aluminium**. Its surface has been covered with a black coating. This special finish minimizes the risk of flare, while being resistant to damage and scratches.

ROUND FILTERS SPECIFICATION

IRIX EDGE CIRCULAR POLARIZER

Filter type	Circular Polarizer
Available thread sizes	52, 55, 58, 62, 67, 72, 77, 82, 95 mm
Front thread for lens cap	yes
Frame thickness (without thread)	5 mm
Antireflection coating	double sided multi-layer coating
Special type coating	double sided water and oil repellent NANO coating

IRIX EDGE UV & PROTECTOR FILTER

Filter type	UV & Protector
Available thread sizes	52, 55, 58, 62, 67, 72, 77, 82, 95 mm
Front thread for lens cap	yes
Transmittance	99.30%
Frame thickness (without thread)	3.5 mm
Antireflection coating	double sided multi-layer coating
Special type coating	double sided water and oil repellent NANO coating

IRIX EDGE NEUTRAL DENSITY FILTER

Filter type	Neutral Density
Available thread sizes	52, 55, 58, 62, 67, 72, 77, 82, 95 mm
Front thread for lens cap	yes
Density	ND8, ND32, ND128, ND1000, ND32000
Light reduction	3, 5, 7, 10, 15 stops
Frame thickness (without thread)	3.5 mm
Antireflection coating	double sided multi-layer coating
Special type coating	double sided water and oil repellent NANO coating

IRIX EDGE LIGHT POLLUTION

Filter type	Light Pollution
Available thread sizes	62, 67, 72, 77, 82, 95 mm
Front thread for lens cap	yes
Light wave reduction	589 nm (sodium lamps)
Frame thickness (without thread)	3.5 mm
Antireflection coating	double sided multi-layer coating
Special type coating	double sided water and oil repellent NANO coating

IRIX EDGE GELATIN FILTERS

Each filter was made of ultra-thin (0.1mm) high-quality film to keep the image free of optical aberrations and distortions.

Irix Edge Gelatin Filters Set is a convenient option for photographers who want to obtain a longer shutter speed with **Irix 11mm f/4.0** or use ND filter with screw-in polarizer on **Irix 15mm f/2.4** at the same time.



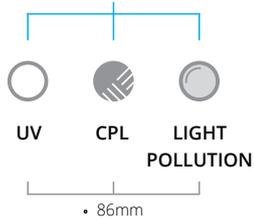
IRIX EDGE NEUTRAL DENSITY FILTERS

Filter type	ND4	ND8	ND16
Density	0.6	0.9	1.2
F-stop reduction	2-stops	3-stops	4-stops

IRIX EDGE

SUPER RESISTANT (SR)

ROUND



SQUARE 100X150



Gradual ND Soft

- GND4 (0.6) 2EV
- GND8 (0.9) 3EV
- GND16 (1.2) 4EV
- GND32 (1.5) 5EV



Gradual ND Hard

- GND4 (0.6) 2EV
- GND8 (0.9) 3EV



Reverse Gradual ND

- GND8 (0.9) 3EV

SQUARE 100X100

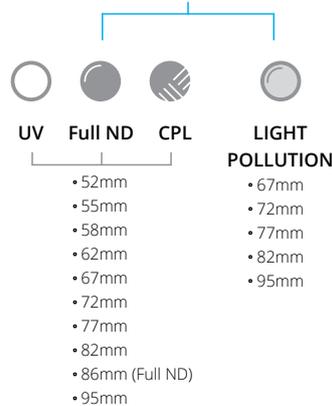


Full ND

- ND8 (0.9) 3EV
- ND32 (1.5) 5EV
- ND128 (2.1) 7EV
- ND256 (2.4) 8EV
- ND1000 (3.0) 10EV
- ND32000 (4.5) 15EV

CLASSIC

ROUND



GEL 30x30mm



30x30mm

- ND4 (0.6)
- ND8 (0.9)
- ND16 (1.2)

ACCESSORIES



Holder IFH-100



Universal adapters

- 52mm
- 55mm
- 58mm
- 62mm
- 67mm
- 72mm
- 77mm
- 82mm
- 86mm
- 95mm



Lens adapters

for Irix 15mm f/2.4



Square Protector Set

| **Photographer?**

| **Filmmaker?**

| **Reviewer?**

Cooperate with Irix!

Send us an email
with your ideas (and portfolio) at:

cooperation@irixlens.com



