Irix Cine lens 150mm T3.0 Macro 1:1

with Sony E mount and metric focusing scale

Product series:	Irix Cine
Product name:	150mm T3.0 Macro 1:1
Product code:	IL-C150-SE-M
Lens mount:	Sony E
Focusing scale:	Metric
EAN code:	7640172191378

Irix Cine lens 150mm T3.0 for Sony E
[IL-C150-SE-M] Metric

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The Irix Cine 150mm T3.0 Macro 1:1 is the **full frame cine lens**, ready for **8K UHD** image resolution. It's complex optical system is based on **the same optical layout as the Irix 150mm f/2.8 Macro 1:1**. The lens consists of 12 optical elements arranged in 9 groups, four of which are high refractive index (HR) glass, and three low-dispersion glass (ED). Because of these elements, this lens offers **superb high resolution**, **nearly zero chromatic aberration** and has almost **no visible distortion** (as low as 0,1%). The optical system has **internal focusing system** to provide as **little "focus breathing" effect** as possible.

In the eyes of a camera operator, a good and tough housing is of major importance. Irix is known for fine mechanical constructions, and in the Cine range we pushed this even further,

focussing on **superb operation ergonomics** and a **high precision mechanism**. **Quiet and smooth rotation** of the focus ring was achieved thanks to the **new MST lens positioning system** - created specially for the Irix Cine range. The Multi Start Thread mechanism, in combination with a **sealed housing**, ensures **durable** and **long-term operation** of the lens in **various atmospheric conditions** even in the most demanding situations. The rotation angle of the focus ring is increased to 270 degrees, which makes **focusing easy and accurate** at any range. The lens will be available with both **metric and imperial markings**.

Highest attention has been paid to the aperture mechanism in these optics, where **11 iris blades with rounded edges** create **great bokeh and sharpness**. The Irix Cine 150mm also significantly reduces the diffraction effect when filming at low aperture values. The de-clicked aperture ranges from **T3.0 to T32**. The aperture ring rotates 75 degrees.

Unique design and well thought-out ergonomics

The Irix Cine 150mm T3.0 Macro 1:1 lens stands out for it's **great ergonomics** and **design.** The side edges of the focus gear-rings are shielded by a special ring, providing a larger area for **better manual handling** - whilst still **compatible with follow-focus systems**. To maintain **full compatibility with follow-focus systems,** an innovative solution was introduced in the form of a rotatable **Adaptive Ring**. It enables compatibility of the lens with follow-focus drives of various widths of gears. For even greater freedom in the follow focus system configuration, the **adaptive ring rotates at full angle with a steps of 15 degrees**. Similar solution was used in the lens aperture ring section where it increases functionality and became **characteristic detail of Irix Cine lens design**. The **markings** on the lens **are laser engraved** and **treated with UV fluorescent paint**, to improve the readability in low light conditions.

Prepared for all weather conditions

The Irix Cine 150 mm T3.0 Macro 1:1 has been designed as a versatile tool in the hands of a filmmaker, built to withstand various weather conditions. The **housing is equipped with seals** to create a barrier for dust, rain and accidental splashes of water. The **sealed construction** ensures the safety of both the optical lens system and the camera sensor.

Innovation as standard

The **exceptional functionality** and **innovative solutions** are a distinctive feature of all Irix products. This lens has been equipped with an **unique Magnetic Mount System for accessories**. The MMS system allows **quick and easy attachment of variety dedicated accessories.** The first of the new MMS accessories is the **detachable** and **reversible lens hood** (included with a lens).

Created to be part of the cine gear family

Making innovations doesn't mean we resign from the industry standards. We know how important compatibility is for a filmmaker, with other accessories. Irix Cine lenses have **standardized front diameter 95mm** for matte box, **86mm front filter thread**, **unified distance between gear-rings** within the whole family range (future developments), **standardized 0,8 pitch module gears**, **unified angles of rotation**, and **similar weight**. The Irix Cine 150mm T3.0 lens is equipped with a **removable support foot with a 1/4 thread**, which stabilizes the lens when using a follow focus system, and protects the camera mount. The **support foot can be attached on the bottom or top of the lens** for convenience of use.

The **Irix Cine 150mm T3.0 Macro 1:1** key features:

- Ultra HD 8K ready optics with superb image resolution,
- invisible chromatic aberration and ultra-low 0,1% distortion,
- compatible with follow-focus system,
- weather-sealed construction,
- standardized front accessory diameter 95mm,
- standardized front filter thread 86x1.0mm,
- Magnetic Mount System for Irix Cine accessories.
- detachable and reversible lens hood,
- macro magnification ratio of 1:1.

The **Irix Cine family** common features:

- standardized geared rings positions,
- focusing scale available with metric or imperial units,

- standardized front accessory diameter 95mm,
- similar weight,
- laser engraved and UV reactive markings,
- weather-sealed construction,
- detachable support foot,
- Magnetic Mount System for Irix cine accessories.

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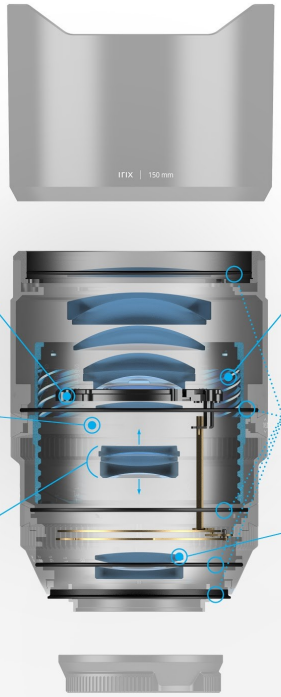
INTERNAL
CONSTRUCTION
FEATURES



11 ROUNDED APERTURE BLADES

12 OPTICAL ELEMENTS IN 9 GROUPS
4 HR AND 3 ED LENSES

INTERNAL FOCUSING

MST FOCUSING MECHANISM

SEALED IN 5 CRUCIAL POINTS

REAR ELEMENT IN FIXED POSITION
(anti-dust protection)

cine lens

150 T3.0 mm

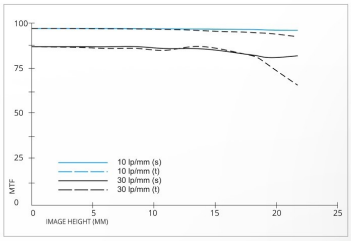
MACRO 1:1

irix

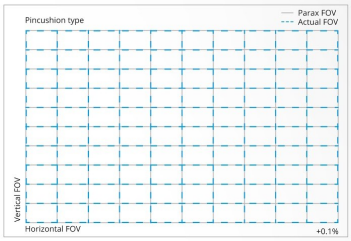
cine lens

150 T3.0 mm

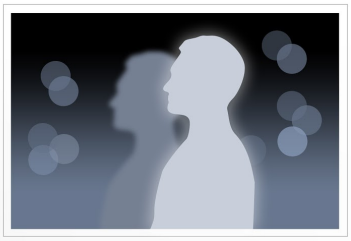
MACRO 1:1



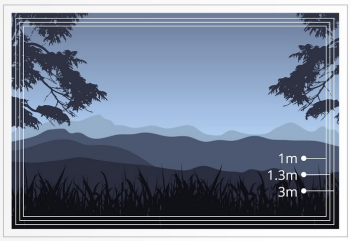
DIFFRACTION MTF



DISTORTION



SMOOTH, NEUTRAL BOKEH



LOW FOCUS BREATHING

Technical data:

Image coverage		full frame (43.3 mm)
Focal length		150 mm
Aperture range (T)		T3.0 ~ T32
Number of iris blades		11 (rounded shape)
Minimum focusing distance		0,35 m (13.78”)
Focus ring	**rotation angle**	270°
	gear pitch	0.8 M
	number of teeth	119
	distance scale	metric
Aperture ring	**rotation angle**	75°
	gear pitch	0.8 M
	number of teeth	110
Viewing angle (horizontal)	**Full Frame**	13,7°
	S-35mm 1.39x	9,6°
	APS-C 1.53x	9°
	APS-C 1.62x	8,5°
	MFT 2.0x	6,6°
Front filter thread		86 x 1.0 mm
Weather sealing		5 rubber o-rings
Front diameter		95 mm
Markings		laser engraved, UV reactive
Dimensions (L x D) (without accessories)	**Sony E – mount**	161 x 97 mm
Weight	**Sony E – mount**	1175 g
Included accessories	**Lens hood**	1 pc
	Front lens cap	1 pc
	Rear lens cap	1 pc
	Lens support foot 1/4”	1 pc