# Irix Cine lens 11mm T4.3

**with Sony E mount and Metric focusing scale**

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| **Product series:** | Irix Cine |
| **Product name:** | 11mm T4.3 |
| **Product code:** | IL-C11-SE-M |
| **Lens mount:** | Sony E |
| **Focusing scale:** | Metric |
| **EAN code:** | 7640172191590 |

Irix Cine 11mm T4.3 for Sony E
[ IL-C11-SE-M ] Metric

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The Irix Cine 11mm T4.3 is the **full frame** cine lens, ready for capture image with **8K UHD** resolution. Its **extremely short focal length**, **rectilinear image projection** and the large image circle of 43.3mm (covering the full frame format) make it one of the most outstanding cine lenses on the market. Depending on the diagonal of the sensor, the lens can provide a moderate wide angle of view for classic wide-angle shots or **super-panoramic 123 degree viewing angle** in a **2.39:1 widescreen format**. Irix 11mm T4.3 thanks to its unique parameters, provides perspective not available in film optics, thus releasing creativity in creating dynamic shots

**The same, but different optics**

The lens optical system is based on the new optical formula, developed especially for cinematic purpose. It consists of 16 optical elements, which four are made with high refractive index (HR) glass, three other have aspherical surfaces and last two are made with low-dispersion glass (ED). The use of large front lens and other special glass elements provides crisp cinematic shots in a resolution up to 8K while keeping the **focus "breathing" effect at the lowest level**. The lens offers large maximum **T number of 4.3** which can be reduced to T22, thanks to **rounded shape of iris blades**.

**Functional and highly innovative**

When designing the lens mechanical system of 11mm T4.3, we used newly developed technical solutions that have been successfully implemented in the Irix Cine 150mm T3.0 lens. The new **Multi Start Thread focusing mechanism** allows **quiet and precise focusing** even under adverse weather conditions such as rain, humidity or extreme temperatures. The focusing geared ring rotates 180 degrees and depending on the lens version, has **focusing scale with metric or imperial units**.

Thanks to the another **innovative solution like adaptive ring**, the Irix Cine 11mm T4.3 ensures **great ergonomics of operation** both **by hand and with follow focus mechanism**. Moreover, despite of the very short optical system layout, **geared rings of focus and aperture** were placed **at the same height as in other Irix Cine lenses** - all for better ergonomics and more intuitive use.

The exceptional functionality and innovative solutions are a distinctive feature of all Irix products. The same applies to the Irix Cine 11mm T4.3, whose **extremely compact design (weights 1,1 kg)** has been also equipped with an **innovative Magnetic Mount System for accessories**. The MMS system allows quick and easy attachment of variety dedicated accessories. The **lens hood included in the kit** with the lens is the first element of the MMS system. The system will be expanded with further accessories in the future.

**Prepared for all weather conditions**

The ultra wide field of view of the Irix 11mm T4.3 means that its natural work environment is outdoor. It's **durable magnesium housing and numerous rubber seals** guarantee the safety of both the optical system and the camera sensor in an every weather conditions.

**Designed to work in accordance with film industry standards**

The 11mm T4.3 is another lens of the Irix Cine line that proves that innovative technical solutions can perfectly harmonize with well-established film industry standards. The lens has a **front flange with a diameter of 95mm** and geared rings in the Mod 0.8 standard, which

ensures its compatibility with most cine gear accessories. Attention to maintaining the standard also applies to the family of Irix cine lenses whose geared rings are in the same position and have unified rotation angle.

**Irix Cinematic**

The new line of Irix Cine Lenses is created in close cooperation with professional filmmakers; their ideas and suggestions were an important factor in the design process. The designers earlier experience in the field of photography led us to create new and better solutions for the Irix Cine products.

The **Irix Cine 11mm T4.3** key features:

- full frame sensor coverage with 43.3 mm image circle,
- Ultra HD 8K ready optics,
- extremely short focal length of 11mm,
- super-panoramic 123 degree viewing angle in a 2.39:1 widescreen format,
- very compact size and low weight,
- ultra-low focus breathing effect,
- weather-sealed construction,
- standardized front accessory diameter 95mm,
- Magnetic Mount System for Irix Cine accessories.
- detachable lens hood with magnetic mount,
- compatibility with various follow-focus system,

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.

**Technical data:**

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| **Image coverage** | | full frame (43.3 mm) |
| **Focal length** | | 11 mm |
| **Aperture range (T)** | | T4.3 ~ T22 |
| **Number of iris blades** | | 9 (rounded shape) |
| **Minimum focusing distance** | | 0,27 m (10.63”) |
| **Focus ring** | **rotation angle** | 180° |
| | **gear pitch** | 0.8 M |
| | **number of teeth** | 117 |
| | **distance scale** | metric |
| **Aperture ring** | **rotation angle** | 75° |
| | **gear pitch** | 0.8 M |
| | **number of teeth** | 110 |
| **Viewing angle (horizontal)** | **Full Frame** | 117° |
| | **S-35mm 1.39x** | 99,3° |
| | **APS-C 1.53x** | 93,8° |
| | **APS-C 1.62x** | 90,6° |
| | **MFT 2.0x** | 78,6° |
| **Front filter thread** | | N/A |
| **Weather sealing** | | 4 rubber o-rings |
| **Front diameter** | | 95 mm |
| **Markings** | | laser engraved, UV reactive |
| **Dimensions (L x D)** **(without accessories)** | **Sony E – mount** | 131 x 95 mm |
| **Weight** | **Sony E – mount** | 1170g |
| **Included accessories** | **Lens hood** | 1 pc |
| | **Front lens cap** | 1 pc |
| | **Rear lens cap** | 1 pc |
| | **Lens support foot 1/4”** | 1 pc |