

IB/E OPTICS adds Large Format 60mm Macro Raptor



IB/E OPTICS designs and manufactures the RAPTOR Macro Large Format Lens Series. The first three focal lengths are available in 100 mm, 150 mm and 180 mm focal lengths. The new 60mm RAPTOR Macro lens will be available this summer. The RAPTOR lenses offer large format sensor coverage (50mm Ø), 1:1 magnification and rugged cine mechanics. They have internal focusing, APO extended color correction and consistent distance from flange to iris and focus ring.

Every lens in the set has a front diameter of 95 mm and T2.9 maximum aperture. Focus and iris rings have standard M0.8 gears. The UMS PL Mount provides Nikon F, Canon EF, Sony E-mount, etc.



IB/E Optics has been building lenses, expanders and extenders for a long time: PLx1.4, PLx2, HDx1.4, HDx35, and HDx2. They custom-designed the Prime DNA Lenses, Prime 65, and Prime 65S lenses for ARRI Rental's Alexa 65, and built the Prime 65 and Prime 65S lenses in-house. ibe-optics.com



IB/E OPTICS Full Frame Expander



Full Format cameras and Full Format lenses are here. But what if you are an owner-operator or rental house with a vast inventory of superb Super 35mm Format lenses (24 x 18 mm image area)?

The IB/E Optics S35xFF Full Frame optical expander works with

most S35 lenses to cover the new, larger sensor areas. Optical quality is excellent, with little light loss, and not much blow-up. It uses IB/E's UMS PL Mount (Universal Mount System) to accommodate all kinds of interchangeable lens mounts. The IB/E S35xFF expands the image and maintains image quality and consistent illumination, without exposure fall-off (shading) toward the edges.

The IB/E Expander covers up to 46.6 mm image diagonal. That's more than enough for all current Full Frame 36x24 mm sensors (43.3 mm diagonal). It covers the RED W8K MONSTRO sensor: 21.60 x 40.96 mm (46.3 mm Ø). And it covers the ALEXA LF sensor: 36.70 x 25.54 mm (44.71 mm Ø).

Basically, the S35xFF makes the image circle larger: from a diagonal of approximately 30 mm of your Super35 format lens to the larger diagonal of Full Format. The image is expanded by a factor of 1.45x. Light loss is about 1 stop. (IB/E Optics recommends best performance at T2.8, and a maximum aperture of T2.0)

Depth of Field stays about the same as the original Super35 format. So, if DoF of a 50 mm S35 lens was 10 inches, it remains the same 10 inches with the expander covering Full Format. Angle of View also remains roughly the same. Your 50 mm lens on a regular Alexa covers about the same angle of view as a 50mm with the S35xFF on an Alexa LF.