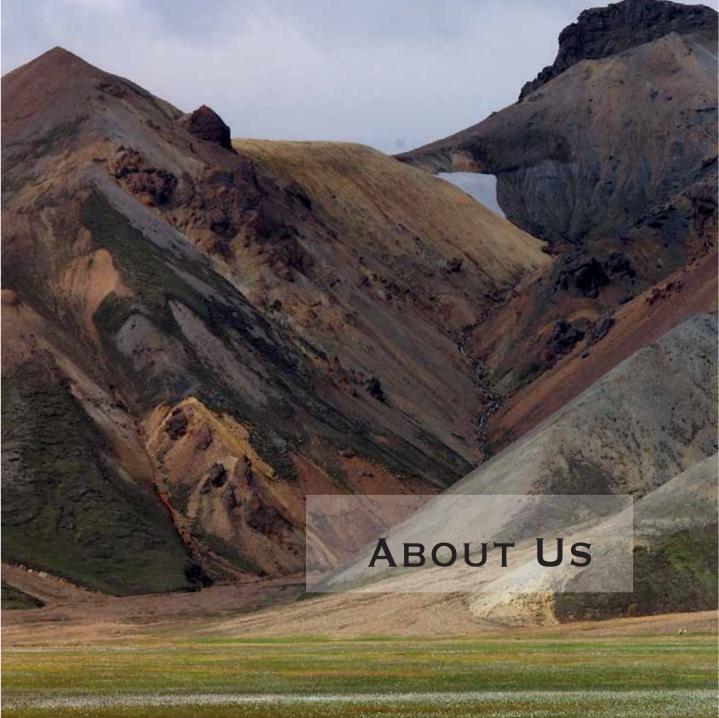
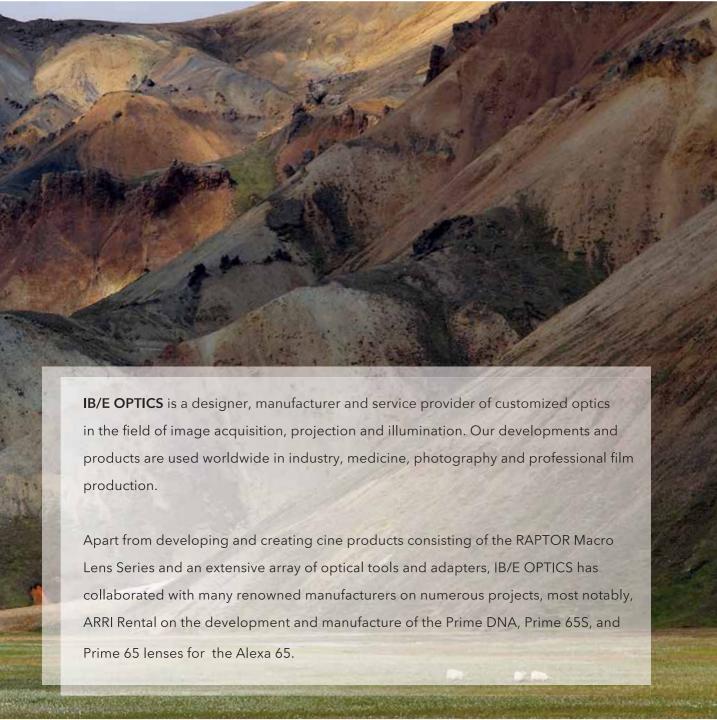
RAPTOR

CINE LENSES





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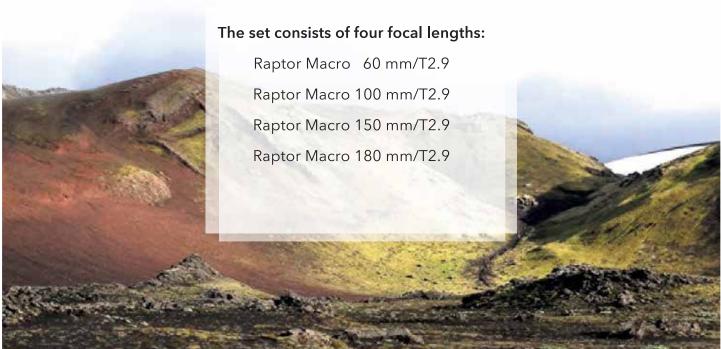
Velociter x0.8

VVx2 UMS



THE MOVEMENT TOWARD LARGER FORMAT SENSORS

The movement toward larger format sensors is in progress, and the number of large format cameras available keeps growing and includes the ALEXA LF, ALEXA 65, Sony VENICE, RED MONSTRO 8K VV, Panavision Millennium DXL2 and others. Larger sensors deliver a film-style look with interesting bokeh due to their very shallow depth of field and require lenses that can cover the complete area. Our RAPTOR Large Format Macro Lens Set is up to the task.



All four RAPTOR lenses easily cover ø 50mm with a PL mount. The 100 mm/T2.9, 150 mm/T2.9 and 180 mm/T2.9 will even cover up to ø 55mm with an XPL mount. All lenses have 1:1 magnification, a T-Stop of 2.9 and professional cine mechanics.

FEATURES

Maximum Magnification 1:1

Internal Focusing (Constant Lens Length)

Extended Color Correction (APO)

T-Stop 2.9 for all Focal Lengths





TECHNICAL SPECIFICATIONS RAPTOR 60 MM

Magnification

Aperture

Max. Aperture Infinity / Near

Close Focus

Min. Working Distance

Focus Rotation

Iris Rotation

No. Iris Blades

Max. Image Diameter ø (PL Mount)

Mount

Length (Flange to Front)

Front Diameter

Weight

1:1

T 2.9 - T 22

T 2.9 - T 5.3

19.0 cm / 7.5"

3.2 cm / 1.26"

320°

60°

9

50 mm / 1.97"

PL UMS

106 mm / 4.17"

95 mm / 3.74"

1.15 kg / 2.54 lbs







TECHNICAL SPECIFICATIONS RAPTOR 100 MM

Magnification

Aperture

Max. Aperture Infinity / Near

Close Focus

Min. Working Distance

Focus Rotation

Iris Rotation

No. Iris Blades

Max. Image Diameter ø (PL Mount)

Mount

Length (Flange to Front)

Front Diameter

Weight

1:1

T 2.9 - T 22

T 2.9 - T 5.3

31.2 cm / 12.3"

11.5 cm / 4.53"

320°

60°

9

50 mm / 1.97"

PL UMS

150 mm / 5.91"

95 mm / 3.74"

1.55 kg / 3.42 lbs







TECHNICAL SPECIFICATIONS RAPTOR 150 MM

Magnification

Aperture

Max. Aperture Infinity / Near

Close Focus

Min. Working Distance

Focus Rotation

Iris Rotation

No. Iris Blades

Max. Image Diameter ø (PL Mount)

Mount

Length (Flange to Front)

Front Diameter

Weight

1:1

T 2.9 - T 22

T 2.9 - T 5.3

38.0 cm / 15"

18.3 cm / 7.20"

320°

60°

9

50 mm / 1.97"

PL UMS

150 mm / 5.91"

95 mm / 3.74"

1.76 kg / 3.88 lbs







TECHNICAL SPECIFICATIONS RAPTOR 180 MM

Magnification

Aperture

Max. Aperture Infinity / Near

Close Focus

Min. Working Distance

Focus Rotation

Iris Rotation

No. Iris Blades

Max. Image Diameter ø (PL Mount)

Mount

Length (Flange to Front)

Front Diameter

Weight

1:1

T 2.9 - T 22

T 2.9 - T 5.3

47.0 cm / 18.5"

21.8 cm / 8.58"

320°

60°

9

50 mm / 1.97"

PL UMS

193 mm / 7.60"

95 mm / 3.74"

2.48 kg / 5.47 lbs







The Velociter x0.8 optical rear attachment reduces the focal length of the RAPTOR Macro Lenses by 0.8 and simultaneously increases the lens speed by almost one stop. It does this by concentrating the light from the full-frame sensor onto the S35 sensor. For example, the RAPTOR 100 mm/T2.9 becomes a 80 mm/T2.3.



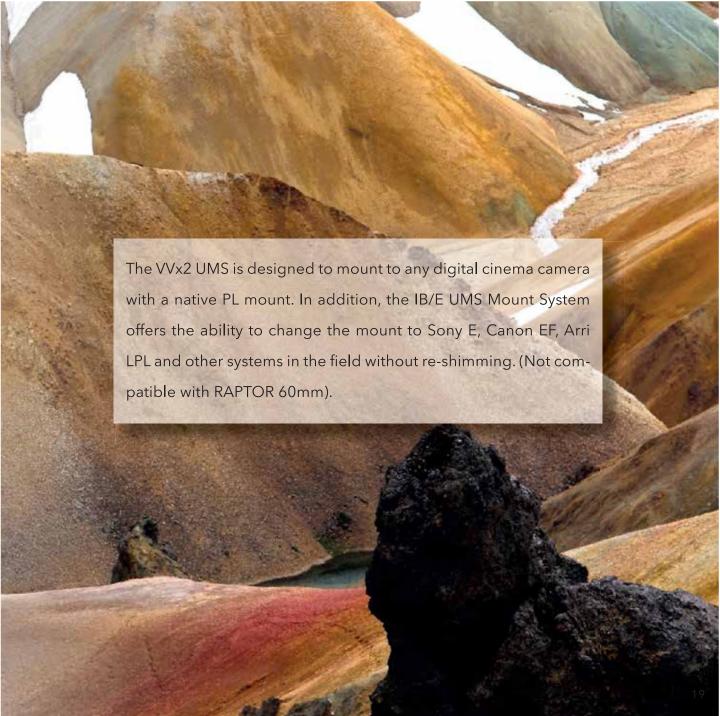
Even though the image diameter is reduced by a factor of 0.8, sensors up to the RED DRAGON 6K FF or ANSI S35 Silent can still be covered. The Velociter x0.8 can easily be installed in place of the extension tube of the PL UMS Mount without re-shimming. With the converter connected to the lens, only PL cameras can be used. (Not compatible with RAPTOR 60mm).



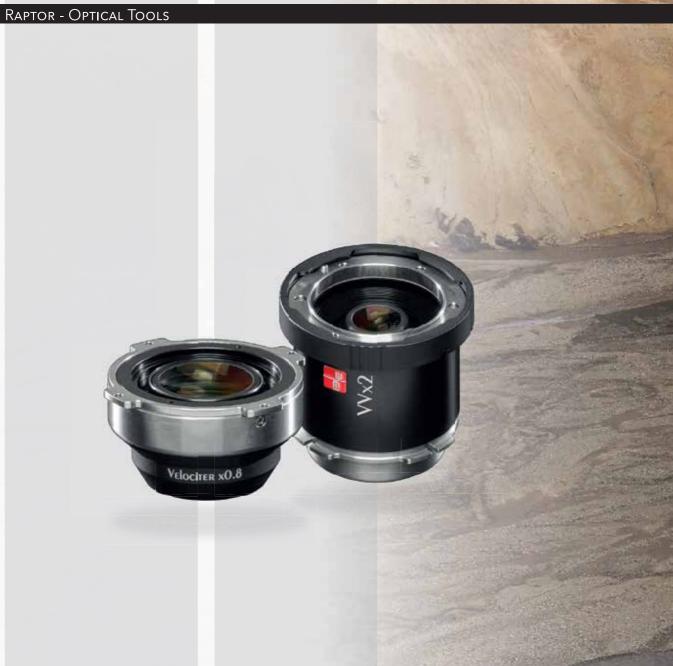


The VVx2 UMS optical extender doubles the focal length of the RAPTOR Macro Lenses. It features high-index, low-dispersion glass as well as multi-layer coatings to ensure the highest possible resolution and contrast with minimal optical degradation. By magnifying the image twofold, the transmitted light is spread over a larger area, decreasing the brightness by two stops.











ILLUMINATION VS. IMAGE HEIGHT

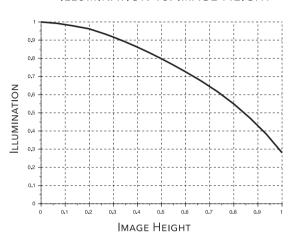
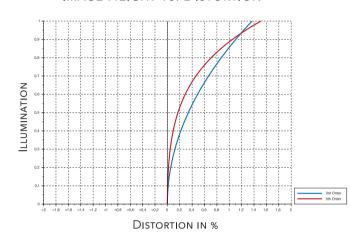
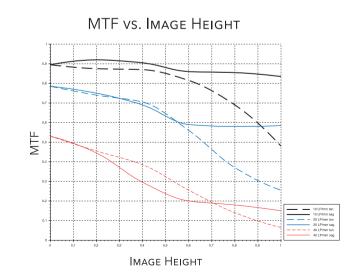


IMAGE HEIGHT VS. DISTORTION



Performance





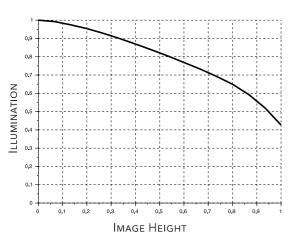
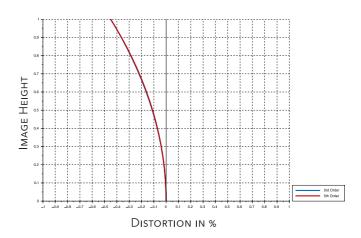
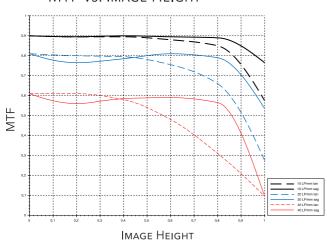


IMAGE HEIGHT VS. DISTORTION



MTF vs. Image Height



PERFORMANCE

ILLUMINATION VS. IMAGE HEIGHT

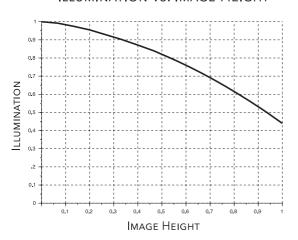
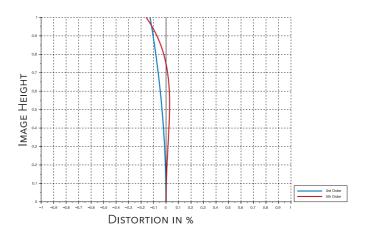
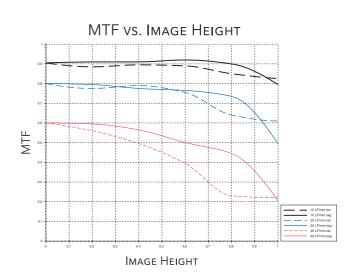


IMAGE HEIGHT VS. DISTORTION



PERFORMANCE



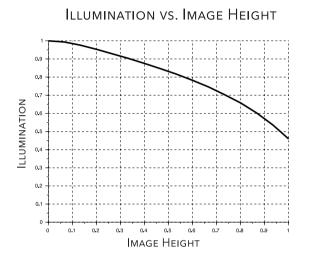
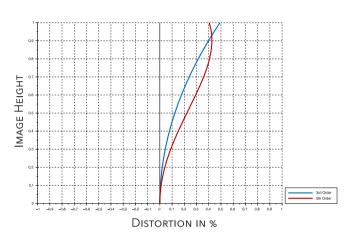
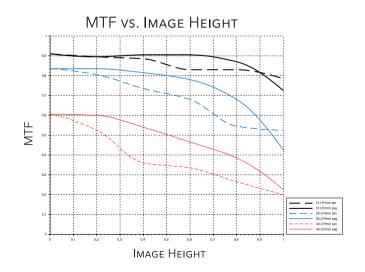


IMAGE HEIGHT VS. DISTORTION





Performance

RAPTOR





