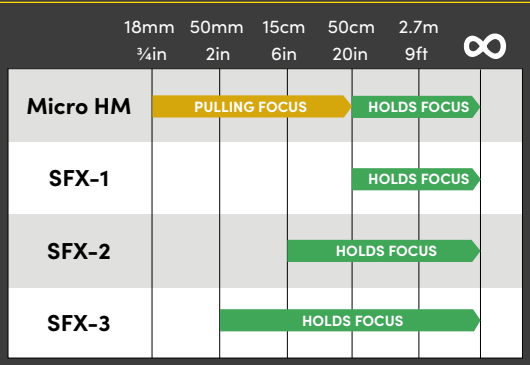
The **TS-160 Lens System** consists of a unique, patented internally-focusable microscope body which accepts 5 front lenses for macro, micro and special deep focus effects with imaging capabilities beyond any other known optical devices.

Use the **FlipR™** to invert the upside-down image, also doubles as an extension tube without any noticeable loss of light.

RECOMMENDED LENS OPERATING RANGES

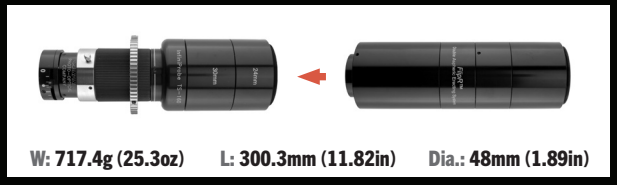


Macro Pro

W: 372.4g (13.14oz) L: 169.8mm (6.69in) Dia.: 48mm (1.89in)

- **Use as a 4X Macro lens at 32mm (1.25in) to create unique close-up photography**
- **Use as 135mm Telephoto lens and focus on a face to make an interesting portrait**

FlipR™



W: 717.4g (25.3oz) L: 300.3mm (11.82in) Dia.: 48mm (1.89in)

- **Used to invert the upside-down image created by the SFX-1, 2, 3 + Micro HM**
- **Doubles as an extension tube, without any noticeable loss of light**

TS-160 LENS SYSTEM TIPS

1. Lens Coverage
   - **a.** TS-160 w/ 30mm tube covers S-35 / APS-C 34mm ø F/14
   - **b.** TS-160 w/ 30mm + 24mm tubes cover full frame 44mm ø F/22
2. The Macro Pro accepts multiple filter options **(see QR code on front page)**
3. The TS-160 has an Iris that can be used to control softness/sharpness. When set to the solid white dot you have the best sharpness and contrast.
4. How to Focus Lenses:
   - **a.** Focus to INFINITY if possible, or the furthest physical object
   - **b.** Set the Iris to the solid white dot for best sharpness and contrast
5. SFX Lens focal lengths and operating ranges
   - SFX-1 lens 100mm EFL holds Focus from INFINITY to 50cm (20in)
   - SFX-2 lens 50mm EFL holds Focus from INFINITY to 15cm (6in)
   - SFX-3 lens 33mm EFL holds Focus from INFINITY to 5cm (2in)
6. Micro HM has two preferred operating ranges:
   - Micro focus range starts at 50cm (20in) and goes to 18mm (3/4in) for (16X Mag)
   - Holds focus from INFINITY to 50cm (20in)
7. Image is upside down on all three (3) SFX lenses and the Micro HM. Flip image in camera, monitor, or use the FlipR.
   - **a.** The FlipR with the TS-160 and 45 degree prism produces an upright image.
   - **b.** The FlipR with the TS-160 and 90 degree right angle produces an upside-down image.
8. To orient the prism to match your horizon, carefully loosen the thumb screw located on the Horizon Adjust **(see prism diagram for more details)**
9. Lens support bracket (mounting clamp and bar) can be used wherever needed for additional support.

Runner Up to Carl Zeiss SBE, LLC for the Supreme Prime Lenses: Infinity Photo-Optical Company for the InfiniProbe TS-160 ROBUSTO Lens

Cinec Munich Highest Honors Special Award

INFINITY
PHOTO-OPTICAL

The Award Winning

TS-160 Lens System

MICROSCOPE TECHNOLOGY MEETS CINEMATOGRAPHY

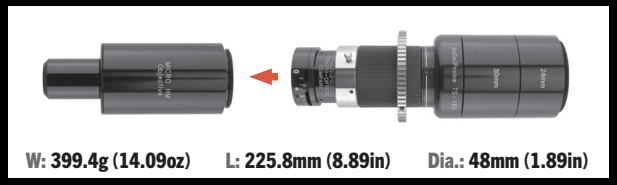
Unique lenses that utilize Micro Technology for unrivaled sharpness and detail

- Incredibly Deep Depth of Field
- Facilitate Forced Perspective
- Exceptional Sharpness
- Redefines the IMMERSIVE EXPERIENCE
- Unheard-of MACRO/MICRO to 16x
- Full Range of Focal Length Lenses
- Easy to Use
- Made in the U.S.A.

www.ts-160system.com

SAME LENS SETUP FOR 90˚(SHOWN) & 45˚ PRISMS

Micro HM



W: 399.4g (14.09oz) L: 225.8mm (8.89in) Dia.: 48mm (1.89in)

- Extreme Micro images with a magnification up to 16X at 18mm (3/4in)
- Focusing to INFINITY creates sharp images as close as 50cm (20in)
- It functions like a 100mm lens, with extreme Micro capabilities

SFX-1

W: 457.4g (16.13oz) L: 250.1mm (9.85in) Dia.: 48mm (1.89in)

- 100mm lens when focused to INFINITY can hold sharp focus from INFINITY to 50cm (20in)

SFX-2

W: 443.4g (15.64oz) L: 232.1mm (9.14in) Dia.: 48mm (1.89in)

- 50mm lens when focused to INFINITY can hold sharp focus from INFINITY to 15cm (6in)

SFX-3

W: 440.4g (15.53oz) L: 235.6mm (9.28in) Dia: 48mm (1.89in)

- 35mm lens when focused to INFINITY can hold sharp focus from INFINITY to 5cm (2in)

	Start	Remove Spacer	Attach Prism	Assembled
HM			 8mm Spacer	
SFX-1			 5mm Spacer	
SFX-2			 5mm Spacer	
SFX-3			 8mm Spacer