
SFR-W8 Ultra-Wide Test Fixture

Testing for ultra-wide field of view imaging systems

Why SFR-W8?

For cameras with field of view wider than 160°, it becomes extremely difficult to test the resolution and chromatic aberration across the imaging plane with a flat test chart system. The SFR-W8 test fixture offers 180° FOV image testing with configurable back-lit targets. Using Imatest software, obtain meaningful results from an eSFR ISO center target and 8 SFRreg targets in predefined locations. The camera position is fully adjustable in X, Y, & Z directions. The test fixture includes a geared tripod head with adjustable pan, tilt, and rotation (actual tripod head not pictured).



Specifications:

Lens to target distance (for all 9 targets):	100cm (39.4")
8 SFRreg targets included:	25.3 cm x 17.4 cm (6.85" x 9.96") - Mounted on Acrylic Illuminated with Imatest LED Light Panel - Size A
1 eSFR ISO center target included:	63.4 cm x 43.2 cm (24.96" x 17.87") - Mounted on Acrylic Illuminated with Imatest LED Light Panel - Size D
Overall Test fixture dimensions:	226.1cm x 156.2cm x 124.7cm (89.03" x 61.5" x 49.11")
Field of view coverage:	>180°
Overall Test fixture weight:	33kg (73 lbs)
Input Voltage Requirement:	100-240V 50/60 HZ
Voltage Requirement:	110 V / 220 V
Maximum power draw:	68 Watts
Color Temperature / Light Spectrum Options:	3100K, 4100K, 5100K, 6500K, NIR 850nm, NIR 940nm <i>Available in multi or single channel</i>
Intensity (min to max):	100 to 1,000 lux, NIR = 2 to 90 Watts/m ²

- Camera Position fully adjustable in XYZ axes to accommodate any imaging system
- Geared tripod head with Pan, Tilt, and Rotation adjustments included
- Power strip and wire management provided
- Sturdy extruded aluminum frame
- Detailed assembly guide provided with all necessary hardware
- Custom configurations available. Contact testing@imatest.com

