Automotive Resolution and Fisheye Tester AR_FT_001

General Specifications	
DXOMARK Image Labs Reference	AR_FT_001
Dimensions	118 x 90 x 162 cm (LxWxH)
Weight	450 Kg
Power Supply	220V 50HZ/2000W
Country of origin	FRANCE
TCL Moving Degree (FOV)	210 Degree (±105 Degree)
FOV Field	0.9 Field (Adjusted According to Module Variation)
Test Distance	500mm to infinity
Motion Stage	6 Axis (Auto)
Target Test Item	SFR/MTF, Distortion, FOV, SFR, CA, Through-Focus
Para / Socket	1 Para / 1 Socket

6 Axis Unit Specifications	
Tx (motorized)	Angle ±7° Positioning accuracy: 0.03° Repeatability: ±0.005
Ty (motorized)	Angle ±5.5°

	Positioning accuracy: 0.03° Repeatability: ±0.005
R (motorized)	Repeat positioning accuracy ≤15 arcsec.
X (electric)	Stroke ±15mm Positioning accuracy: 0.01mm Repeat positioning accuracy: ±0.001mm
Y (electric)	Stroke ±15mm Positioning accuracy: 0.01mm Repeat positioning accuracy: ±0.001mm
Z (electric)	Stroke ±15mm Positioning accuracy: 0.01mm Repeatability: ±0.001mm

Image Grabber Specifications	
DXOMARK Image Labs Reference	MIG_S2_001
Main Interface	Mipi D-phy Mipi C-phy LVDS Parallel
Ser/Des Interface	GSML1/GSML2 (for Maxim) FPD Link (for TI)
Support	I2C / USB3.0

TCL Specifications	
DXOMARK Image Labs Reference	RT-TCL-A15
Infinity	~ 100M (Theoretical distance 500m)
FOV	15 Degree
Other specifications	Built-in Controller (Lighting, chart driver), Chat distance Motor movement

Equipment package

- Computer with Windows OS
- Rotatable collimator
- Six-axis automated alignment platform
- Image grabber for camera analysis
- Control and analysis software with automated reporting

Description

This Comprehensive Camera Tester is designed for evaluating the resolution of wide-angle and telephoto lenses. It addresses issues related to field of view, distortion, and distance by using a rotatable collimator and a 6-axis alignment fixture for thorough image quality analysis.