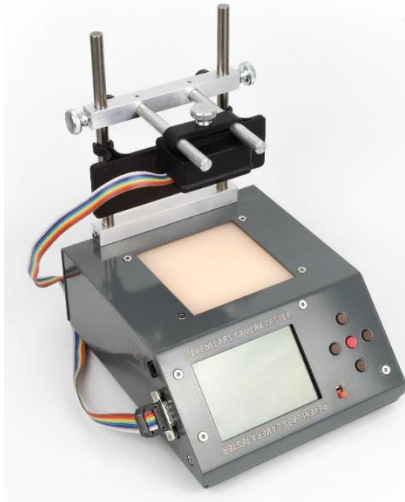


Reveni Labs Camera Tester



FEATURES

- Three-sensor horizontal and vertical curtain analysis
- Single-sensor shutter efficiency and leaf shutter analysis
- Aperture and lens transmission
- Automatic exposure testing
- Multi-sample averaging
- Continuous shooting framerate
- Powder-coated aluminum housing
- 3"x3" (75mm x 75mm) led light panel
- Multi-detector sensor head
- Stainless steel sensor jig rods
- Backlight lcd graphical display
- Flash sync input
- Vertical or horizontal operating positions

DEVICE SPECIFICATIONS

WEIGHT (WITH SENSOR JIG)	2 lb (900g)
DIMENSIONS (MAIN BODY)	6" x 7" x 3" (150 x 180 x 75) width x depth x height
DISPLAY	3.5" (89mm) 240x160 pixel backlit graphical LCD
USER INPUT INTERFACE	Five momentary pushbuttons
POWER REQUIREMENTS	12V DC 1A minimum pin-positive barrel jack wall adapter

LIGHT SOURCE

BRIGHTNESS RANGE	EV 17 to EV7
VARIATION ACROSS SURFACE	<0.1EV at EV 17
COLOUR TEMPERATURE	2800°K TYPICAL

FOCAL PLANE SHUTTER ANALYSIS

SPEED RANGE	30s to 1/12000s
SENSOR PLACEMENT	Top left, middle, bottom right
ACCURACY	Better than 50us in most conditions (<5us in ideal conditions)
PRECISION	1 microsecond
ADDITIONAL READOUTS	EV error, Curtain open/close time, curtain velocity, flash sync time

LEAF SHUTTER ANALYSIS

SPEED RANGE	1s – 1/2000s
SENSOR PLACEMENT	Single central
ACCURACY	Better than 50us in most conditions (<5us in ideal conditions)
PRECISION	1 microsecond
ADDITIONAL READOUTS	Leaf opening/closing time, wide open time, total time, computed effective shutter speed, graphical shutter plot



APERTURE TESTING

APERTURE RANGE	f1.4 to f32
ACCURACY	< 0.1 EV
PRECISION	0.1f

AUTOMATIC EXPOSURE TESTING

SHUTTER SPEED RANGE	As above, leaf shutter mode (used for all shutter types in AE mode)
APERTURE RANGE	As above
ADDITIONAL READOUTS	Aperture size, effective shutter speed, EV error for each, combined EV error