

Long Wave Infrared Test Charts

Thermal Targets for LWIR Resolution testing

Why Choose the Imatest Long Wave Infrared Test Charts?

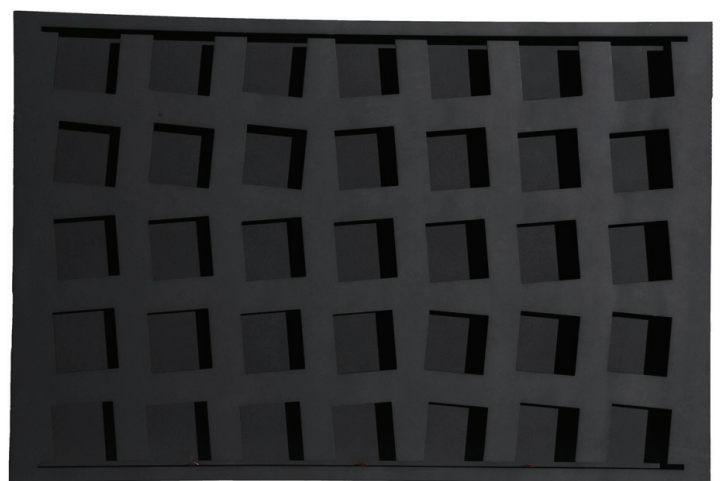
Imatest's Infrared Long Wave Infrared Test Charts act as black body emitters, designed for testing the resolution of thermal imaging systems. The back plate is uniformly heated with a silicone heating blanket, and the thermally isolated front plate stays near the ambient temperature of your testing environment. In combination with the Imatest Master software package, LWIR targets allow you to test the MTF (sharpness) of your thermal imaging system, using an adjustable heating differential between the two aluminum plates. They are available in a variety of test chart patterns, including single slanted edge, SFRplus, and custom.

Imatest Long Wave Infrared Test Charts Features

- ✓ Large chart size: charts measure 61cm (24.02") high by 91.5cm (36.02") wide, with a sturdy aluminum substrate and integrated silicone heating blanket
- ✓ Support for a wide range of IR wavelengths: the uniformly heated back plate acts as an emissive black body, while the thermally isolated front plate delivers high thermal contrast
- ✓ SFRplus pattern - features smaller slanted edges across the entire test chart, enabling variations in sharpness to be accurately and objectively measured across the field of view
- ✓ Single slanted edge pattern - provides a larger ROI, which enables longer test distances



LWIR-Reg-L



SPLWIR-M

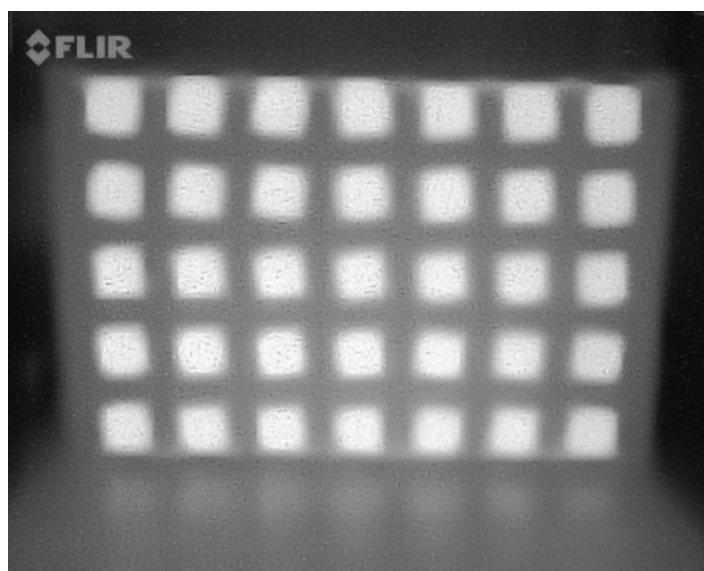


Long Wave Infrared Test Charts Specifications

Specifications	Details
LWIR-Reg-L Weight:	17.12 kg (37.75 lbs)
SPLWIR-M Weight:	15.76 kg (34.75 lbs)
LWIR-Reg-L Shipping Weight:	24.9 kg (55 lbs)
SPLWIR-M Shipping Weight:	23.59 kg (52 lbs)
Dimensions:	915 x 610 x 107 mm (36" x 24" x 4.21")
Shipping Dimensions:	990 x 680 x 220 mm (39" x 27" x 9")
Maximum Temperature Difference:	~20°C (~36°F)
Substrate Material:	Powder Coated Aluminum, Silicone Heating Blanket
Warm-Up Time:	25-30 minutes
Voltage:	120 VAC (240 VAC version also available upon request)
Power:	1080 W
Temperature Control:	Adjustable thermostat controller



LWIR-Reg-L



SPLWIR-M