

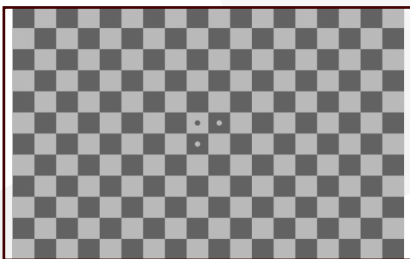
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# Checkerboard Test Chart

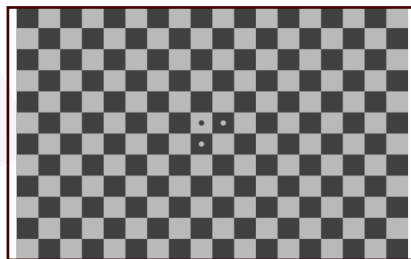
*Imatest's recommended chart for measuring distortion*

## Why Imatest Checkerboard Test Charts?

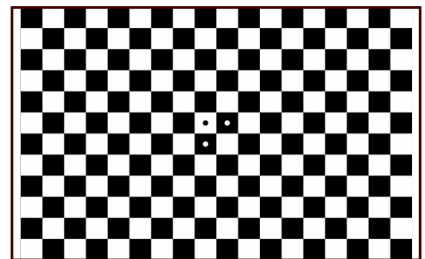
Imatest's highly versatile checkerboard test chart works over a wide range of testing distances. It is available in a variety of substrates, including those that are reflective, transmissive, high precision, and NIR capable. The checkerboard design offers high density SFR measurements as well as high fidelity distortion characterization of any system. Choose from a variety of sizes ranging from microscopic to over one meter, or have us create a custom size for your needs.



4:1 Contrast Ratio  
(ISO 12233 Standard Contrast)



10:1 Contrast Ratio



45:1 Contrast Ratio

## Sizes and Substrates

We offer inkjet, film, chrome on glass, high stress and NIR compatible checkerboard charts in a range of sizes to suit your testing needs.

**Inkjet charts are available in 4 standard sizes:**

Chart Size	Active Area	Megapixel Suitability   5.1 MTF Compensation	
<b>X-Small</b>	20.07 x 30.1cm (7.9" x 11.85")	3.1	6.2
<b>Small</b>	39.12 x 58.67cm (15.4" x 23.1")	5.9	11.8
<b>Medium</b>	59.44 x 89.15cm (23.4" x 35.1")	14.3	28.6
<b>Large</b>	110.24 x 165.35cm (43.4" x 65.1")	28.1	56.2

**Reflective photographic charts are available in 3 standard sizes:**

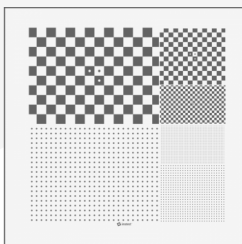
Chart Size	Active Area	Megapixel Suitability   5.1 MTF Compensation	
<b>Small</b>	39.12 x 58.67cm (15.4" x 23.1")	11.8	23.6
<b>Medium</b>	59.44 x 89.15cm (23.4" x 35.1")	28.6	57.2
<b>Large</b>	89.92 x 150.11cm (35.4" x 59.1")	69.4	138.8

**Chrome on glass charts are available in 3 standard sizes:**

Plate Size	Square Layout	Megapixel Suitability   5.1 MTF Compensation	
<b>50.8 x 58mm (2" x 2")</b>	30x30, 15x15, or 7x7	6	12
<b>101.6 x 101.6mm (4" x 4")</b>	20x20 or 10x10	26	52
<b>25.4 x 76.2mm (1" x 3")</b>	40x40, 20x20 or 10x20	Varies	-

We offer **custom chart sizes** as well. Contact [charts@imatest.com](mailto:charts@imatest.com) to learn more.

## Related Products



Micro Multi Slide Test Chart



Modular Test Chart Mounting System



Kino Flo LED lights