

LINE PAIR BASED FULL FIELD SHARPNESS TEST

ABSTRACT

Optical characteristics of an optical component for a high volume manufacture consumer electronics device can be tested using a test chart composed of a superposition of two or more groups of parallel line pairs, wherein all the groups of parallel line pairs are oriented at a different inclination. The groups of line pairs could be oriented so that they are perpendicular to each other. A test system can quickly and objectively assess for example the sharpness of the optical component in different directions across a full image field of view of an imaging system that is capturing a digital image of the chart using the optical component for through-the-lens imaging. Other embodiments are also described and claimed.

Fig. 2