

LINE CONFOCAL SENSOR LCI1620

The LCI1620 offers an unbeatable combination of measurement speed, large measurement range, and Z precision (critical to accurate height measurement) for the most challenging inline scanning applications.

FocalSpec® LCI1620

Field of view (mm)	17.0
Resolution X (µm)	9.9
Z-repeatability (µm)	0.25
Stand-off distance (mm)	64.0
Measurement range (mm)	5.5
Scan rate at full measurement range (Hz)	3000
Max. scan rate (Hz)	11 000
Number of points/profile	1728
Max. surface slope on mirror (deg)	± 13.5
Dimensions (H x W x D) (mm)	432 x 358 x 113
Weight (kg)	21
Degree of protection (EN 60529)	IP30
Power	24 VDC, 2A
PC connectivity	10 Gigabit Ethernet (optical)
Line synchronization	Three fast isolated digital inputs, 5-24 V

FocalSpec®



LCI1620



FocalSpec® High Speed

Line Confocal Sensors

FocalSpec High Speed Line Confocal Imaging (LCI) Sensors provide the highest measurement speed and accuracy for today's high-speed smart manufacturing environments, which require continuous measurement and analysis of a large variety of surface materials. Among others, these sensors can be used in the electronics, medical, plastics, and packaging industries.

Common applications for these sensors include 3D surface profiling, 3D dimensioning and tomography, burr height, surface roughness and seal integrity inspection. They are well suited not only for continuous product quality control but also the optimization of various stages of the manufacturing process.

AMERICAS

LMI Technologies Inc.
Burnaby, BC, Canada

EMEAR

LMI Technologies GmbH
Teltow/Berlin, Germany

ASIA PACIFIC

LMI (Shanghai) Trading Co., Ltd.
Shanghai, China

LMI Technologies has sales offices and distributors worldwide. All contact information is listed at lmi3d.com/contact

