



LTCM2-65C-S

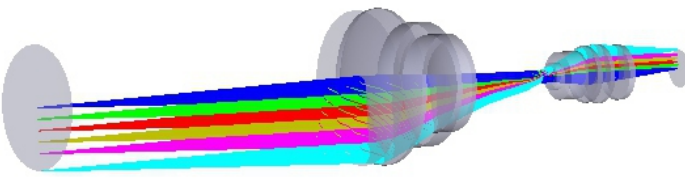
High-Resolution Telecentric Lens

Designed for factory automation and machine vision applications.

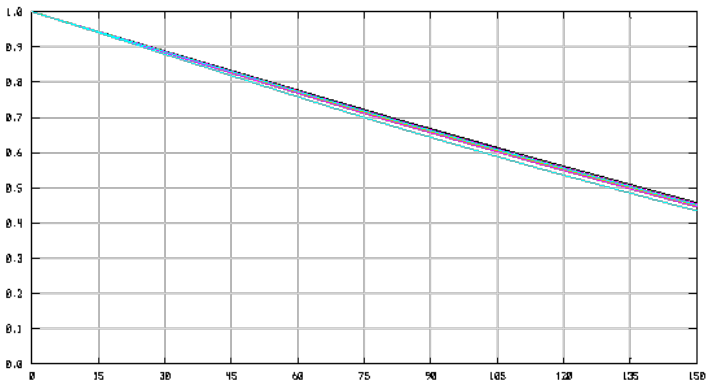
FEATURES

- ◆ Supports 3 MP high-definition cameras;
- ◆ Increased depth of field; magnification and image size remain unchanged within the DOF;
- ◆ Optional coaxial illumination provides uniform lighting without image vignetting;
- ◆ Ultra-low distortion with telecentricity below 0.07°;

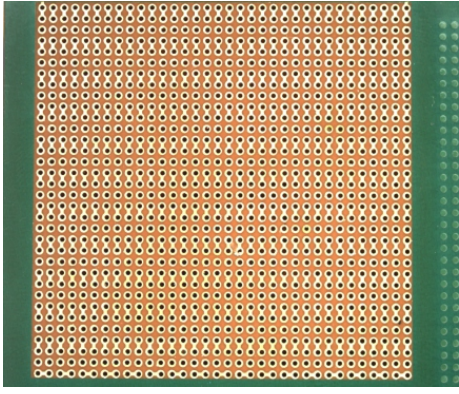
OPTICAL PATH DIAGRAM



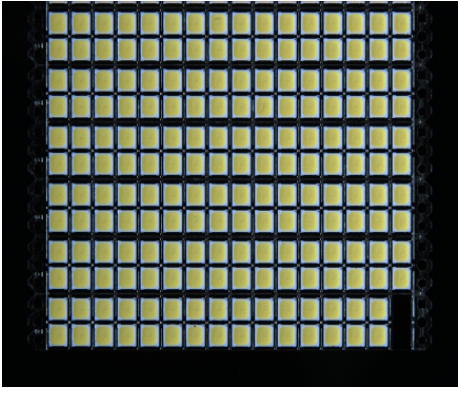
MTF CURVE



SAMPLE IMAGES



Precision Machining - Through-Hole Array



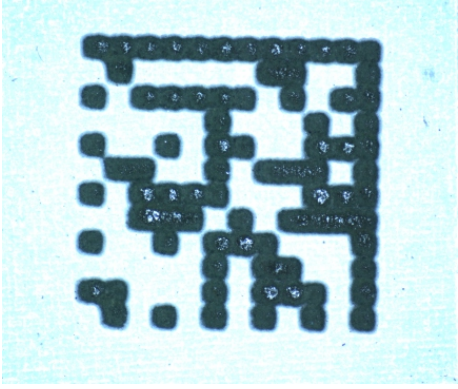
Semiconductor - LED



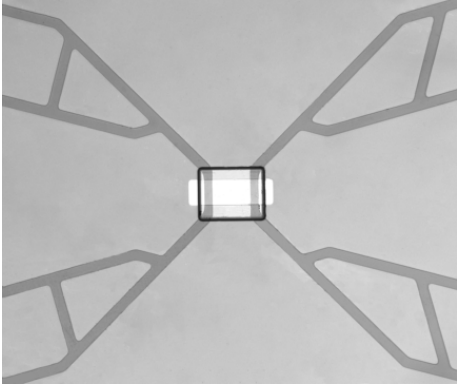
Food Processing - Certificate



3C Electronics - Damaged Camera Filter



Packaging Printing - QR Code



ITO Inspection

LTCM2-65C-S

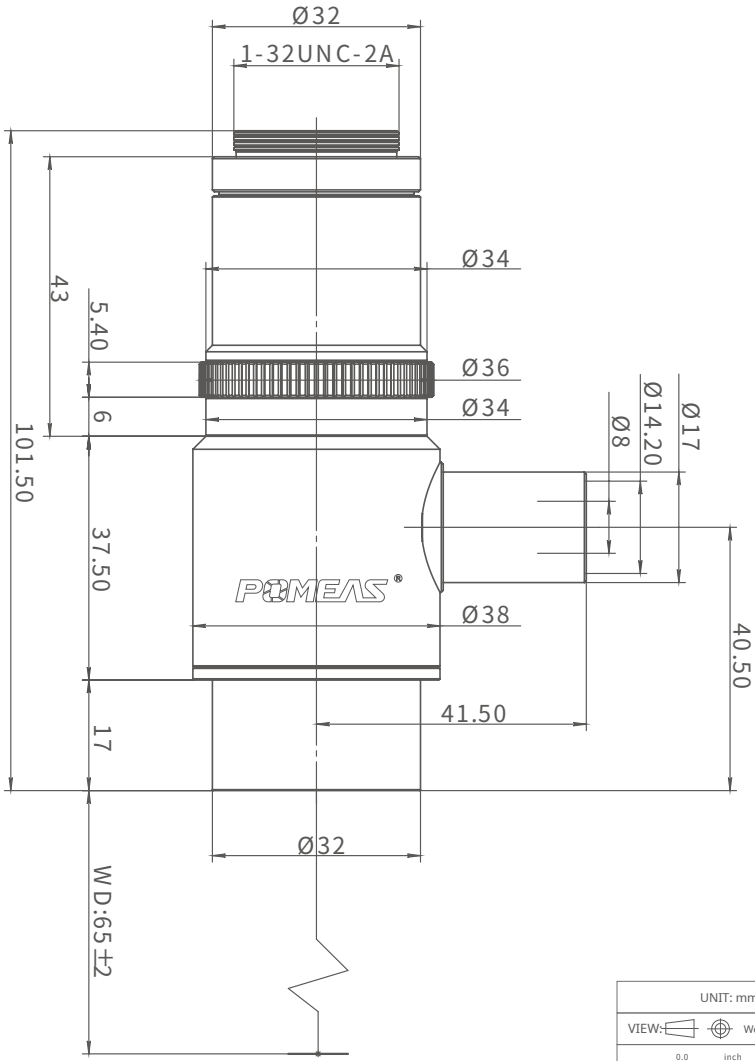
PARAMETERS

Model	LTCM2-65C-S	
Magnification	2.0X	
Object-Side Telecentricity	<0.016°	
Image-Side Telecentricity	<0.069°	
Working Distance	65mm	
Resolution (MAX)	2.2 μm (Adjustable)	
Depth of Field*1 (MAX)	0.13 mm (Adjustable)	
N.A.(MAX)	0.152 (Adjustable)	
F.NO.(MAX)	F6.6 (Adjustable)	
TV Distortion	0.05%	
Object Size	1/4"	1.6mm×1.2mm
	1/3"	2.4mm×1.8mm
	1/2.5"	2.9mm×2.2mm
	1/2.3"	3.1mm×2.3mm
	1/2"	3.2mm×2.4mm
Center MTF @ 100 lp/mm	>50%	
Maximum Sensor Size	1/2"	
Illumination	Supported	
Mount Type	C-Mount	
Operating Temperature	-10°C to +50°C	

*1: Theoretical value calculated using a permissible circle of confusion diameter Φ0.04 mm. Best performance is achieved within half of this range.

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DIMENSIONS



UNIT: mm	MODEL	LTCM2-65C-S
VIEW:	NAME	2X-65 High-Resolution Telecentric Coaxial Lens
	DATE	2019/11/22

