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TECHSPEC®

25mm DG Series Fixed Focal Length Lens



25mm Focal Length, #55-326

Stock **#55-326** 7 In Stock

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1

+

£488^{.00}

ADD TO CART

Volume Pricing	
Qty 1-49	£488.00 each
Qty 50+	£385.00 each
Need More?	Request Quote

Prices shown are exclusive of VAT/local taxes

Product Downloads

General	
DG Series	Series:
Fixed Focal Length Lens	Type:
Traditional Double-Gauss Style Lens	Imaging Lens Type:
Physical & Mechanical Properties	

Variable	Iris Option:
116.20	Length (mm):
54	Maximum Diameter (mm):
54	Outer Diameter (mm):
85	Weight (g):
3.5	Maximum Rear Protrusion (mm):

Optical Properties	
Horizontal Field of View @ Max Sensor Format: 142.9mm - 31.6°	
Field of View at Max Sensor Format: Horizontal: 141.7mm - 31.4° Vertical: 106.1mm - 23.8° Diagonal: 177.5mm - 38.7°	
Horizontal Field of View, 1.1" Sensor: 142.9mm - 31.6°	
Horizontal Field of View, 1" Sensor: 128.8mm - 28.7°	
Horizontal Field of View, 2/3" Sensor: 88.4mm - 19.9°	
Horizontal Field of View, 1/1.8" Sensor: 72.3mm - 16.4°	
Horizontal Field of View, 1/2" Sensor: 64.2mm - 14.6°	
Horizontal Field of View, 1/2.5" Sensor: 58.2mm - 13.2°	
Horizontal Field of View, 1/3" Sensor: 48.2mm - 10.9°	
Horizontal Field of View, 1/4" Sensor: 36.1mm - 8.2°	
Maximum Image Circle (mm): 17.60	
Numerical Aperture NA, Object Side: 0.0114	
Number of Elements (Groups): 7 (5)	
Focal Length FL (mm): 25.00	
Working Distance (mm): 240 - ∞	
Aperture (f/#): f/4 - Closed	
Coating: λ/4 MgF ₂	
Coating Specification: λ/4 MgF ₂	
Entrance Pupil Position (mm): 10.22	
Object Space Principal Plane (mm): 11.79	
Image Space Principal Plane (mm): -11.43	
Maximum Distortion (%): 0.03	
Exit Pupil Position (mm): -13.11	
Lens Wavelength Range: VIS	

Sensor	
Maximum Sensor Format: 1.1"	
Pixel Size (µm): 2.74	

Threading & Mounting	
M30.5 x 0.50 (Female)	Filter Thread:
C-Mount	Mount:

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Environmental & Durability Factors	
-20 to +60	Storage Temperature (°C):
Regulatory Compliance	
Exempt	RoHS 2015:
Compliant	REACH 201:
View	Certificate of Conformance:

Product Details

• Up to 4/3", C-Mount Lens

• Up to 9 MegaPixels, 2.8µm Pixel Size Sensors

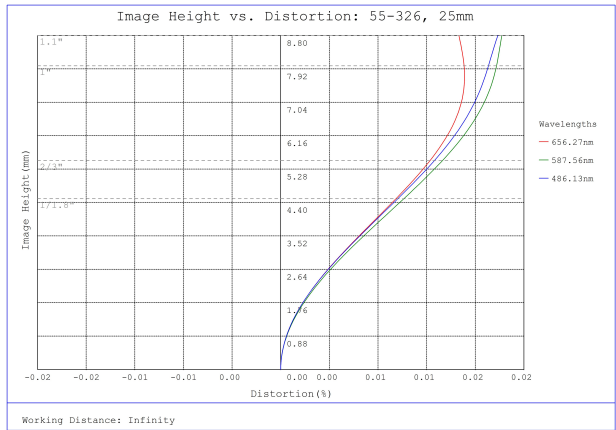
• Double Gauss (DG) Lens with low distortion and high performance

• 18mm to 75mm Focal Length

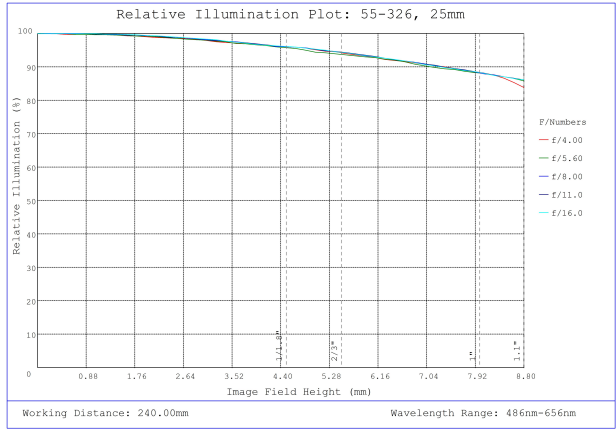
TECHSPEC® DG Series Fixed Focal Length Lenses utilize a Double Gauss design to provide high-performance, low distortion, compact size, and exceptional value, while exceeding the performance of typically available fixed focal length lenses. These lenses feature a mechanical design that allows the focusing movement to be motorized by the user, yields image resolution greater than 100 lp/mm, and have a standard C-Mount. For most applications, the camera-lens combination can be attached to workstations using the 1/4-20 mount provided on the camera. TECHSPEC® DG Series Fixed Focal Length Lenses include focus ring, manual iris, and set screws to facilitate a low profile integration in machine vision applications. Typical applications for the DG Series lenses include machine vision, assembly-line integration, and measurement and image analysis.

Note: Industrial Boom Stands are recommended for building vibration-free workstations.

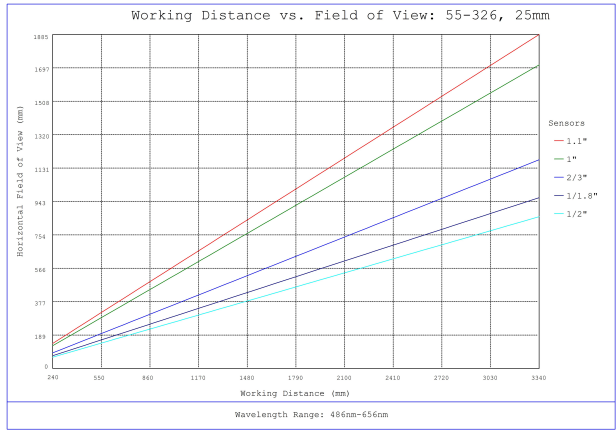
Technical Information



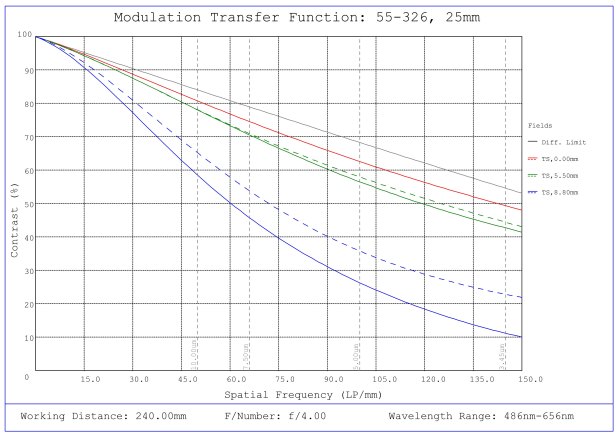
#55-326, 25mm DG Series Fixed Focal Length Lens, Distortion Plot



#55-326, 25mm DG Series Fixed Focal Length Lens, Relative Illumination Plot



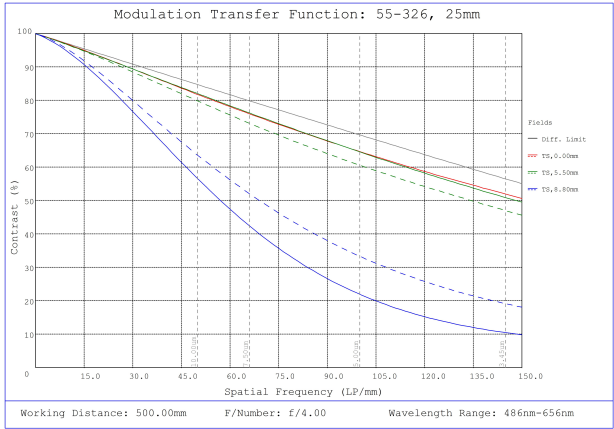
#55-326, 25mm DG Series Fixed Focal Length Lens, Working Distance versus Field of View Plot



#55-326, 25mm DG Series Fixed Focal Length Lens, Modulated Transfer Function (MTF) Plot, 240mm Working Distance, f4



#55-326, 25mm DG Series Fixed Focal Length Lens, Depth of Field Plot, 240mm Working Distance, f4



#55-326, 25mm DG Series Fixed Focal Length Lens, Modulated Transfer Function (MTF) Plot, 500mm Working Distance, f4



#55-326, 25mm DG Series Fixed Focal Length Lens, Depth of Field Plot, 500mm Working Distance, f4

Dimensions							
FL (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	Filter Thread (Dia. x Pitch)
18	48.0	32.3	4.6	40.0	-	2.5	M30.5 x 0.5
25	39.0	40.0	5.8	34.7	30.7	2.2	M30.5 x 0.5
35	45.0	50.1	11.6	40.0	42.1	0	M37.0 x 0.75
50	47.5	69.0	10.6	40.0	40.8	0	M39.0 x 0.5
75	54.0	116.2	19.2	46.0	67.7	0	M49.0 x 0.75

Compatible Cameras