

TECHSPEC®

8.5mm, f/1.8 Ci Series Fixed Focal Length Lens



8.5mm Focal Length

Stock **#86-600** **3 In Stock**

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1

+

C\$491⁴⁰

ADD TO CART

Volume Pricing	
Qty 1-24	C\$491.40 each
Qty 25+	C\$442.40 each
Need More?	Request Quote

Product Downloads

General

Ci Series	Series:
Fixed Focal Length Lens	Type:

Physical & Mechanical Properties

Fixed	Iris Option:
	Length (mm):

33.98	
26.5	Maximum Diameter (mm):
26.5	Outer Diameter (mm):
34	Weight (g):
0.6	Maximum Rear Protrusion (mm):
26.50	Diameter (mm):

Optical Properties

128.6mm - 60.6°	Horizontal Field of View @ Max Sensor Format:
Horizontal: 124.9mm - 60.7° Vertical: 88.9mm - 45° Diagonal: 169.4mm - 77°	Field of View at Max Sensor Format:
128.6mm - 60.6°	Horizontal Field of View, 2/3" Sensor:
101.0mm - 49.2°	Horizontal Field of View, 1/1.8" Sensor:
88.3mm - 43.6°	Horizontal Field of View, 1/2" Sensor:
79.2mm - 39.5°	Horizontal Field of View, 1/2.5" Sensor:
64.6mm - 32.6°	Horizontal Field of View, 1/3" Sensor:
47.8mm - 24.4°	Horizontal Field of View, 1/4" Sensor:
11.00	Maximum Image Circle (mm):
0.0215	Numerical Aperture NA, Object Side:
7 (5)	Number of Elements (Groups):
8.50	Focal Length FL (mm):
100 - ∞	Working Distance (mm):
f/1.8	Aperture (f/#):
425 - 675nm BBAR	Coating:
425 - 675nm BBAR	Coating Specification:
8.22	Entrance Pupil Position (mm):
14.08	Object Space Principal Plane (mm):
6.67	Image Space Principal Plane (mm):
-18.51	Maximum Distortion (%):
-12.23	Exit Pupil Position (mm):
VIS	Lens Wavelength Range:

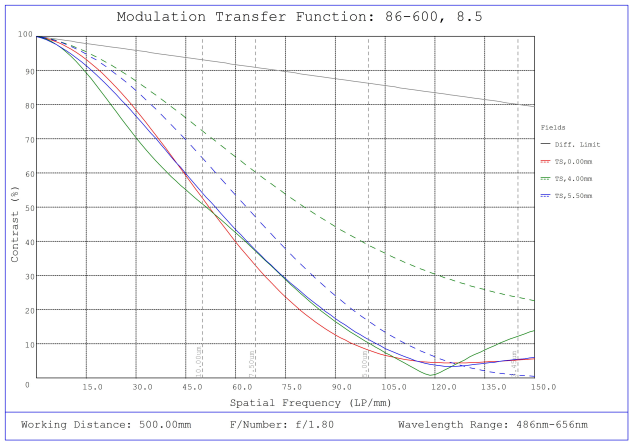
Sensor

2/3"	Maximum Sensor Format:
2.74	Pixel Size (µm):

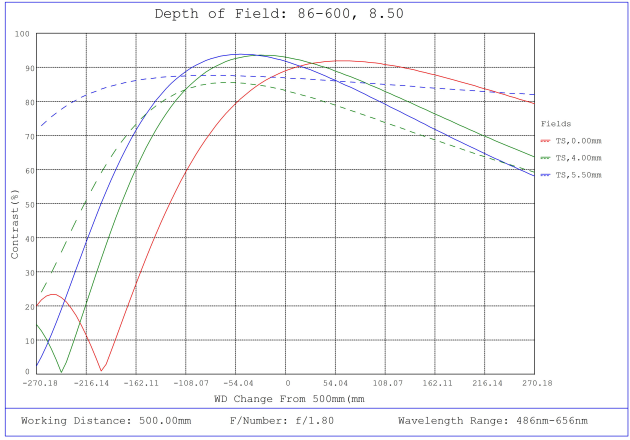
Threading & Mounting

M30.5 x 0.50 (Male)	Filter Thread:
#89-932 (Required)	Filter Thread Adapter:
M22.0 x 0.5 (Male)	Front Thread:
C-Mount	Mount:

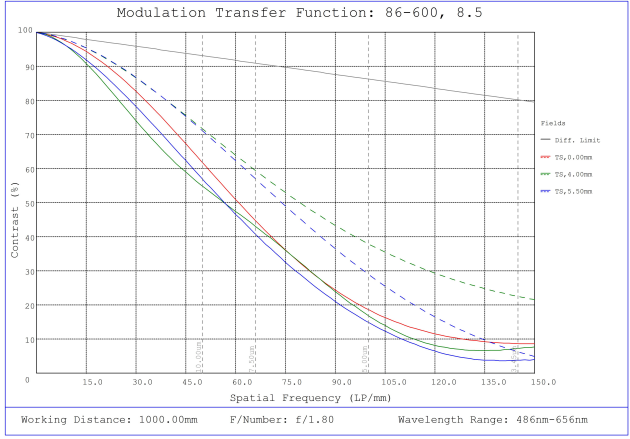
Environmental & Durability Factors	
-20 to +60	Storage Temperature (°C):



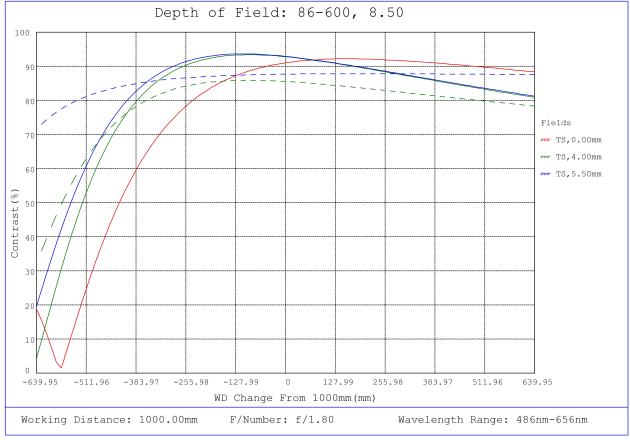
#86-600, 8.5mm, f/1.8 Ci Series Fixed Focal Length Lens, Modulated Transfer Function (MTF) Plot, 500mm Working Distance, f1.8



#86-600, 8.5mm, f/1.8 Ci Series Fixed Focal Length Lens, Depth of Field Plot, 500mm Working Distance, f1.8



#86-600, 8.5mm, f/1.8 Ci Series Fixed Focal Length Lens, Modulated Transfer Function (MTF) Plot, 1000mm Working Distance, f1.8



#86-600, 8.5mm, f/1.8 Ci Series Fixed Focal Length Lens, Depth of Field Plot, 1000mm Working Distance, f1.8

Focal Length	A	B	C	D
6mm	M34.0 x0.5	47.8mm	34mm	1.17mm
12mm	M22.0 x0.75	29.0mm	22mm	0.96mm
16mm	M22.0 x0.75	40.8mm	22mm	1.09mm
25mm	M22.0 x0.75	29.9mm	22mm	1.33mm
35mm	M25.5 x0.5	41mm	22.5mm	3.82mm
50mm	M30.5 x0.5	49.5mm	30.5mm	2.06mm

Compatible Cameras

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