



Lens Specifications - 1.1" 16mm F/1.8, 12MP			
Specifications	1.1"	1"	2/3"
Focal Length	f = 16mm		
Maximum diameter (Ratio)	F = 1.8 - 16		
Picture Size	10.6 x 14.1 mm	9.6 x 12.8 mm	6.6 x 8.8 mm
Angle			
- Vertical	36.7 deg	33.4 deg	23.3 deg
- Horizontal	48.0 deg	43.6 deg	30.8 deg
- Diagonal	58.3 deg	53.1 deg	37.9 deg
Distortion	-0.5%	-0.4%	-0.3%
FOV			
- Vertical	77mm	70mm	48mm
(@MOD) - Horizontal	102mm	93mm	64mm
- Diagonal	127mm	116mm	80mm
Minimum Focus Distance	0.1m		
Flange Focus	17.526mm in air		
Back Focus	11.9mm in air		
Filter Screw Size	M35.5x0.5		
Clear Aperture Front / Rear	Ø26.5mm / Ø17.0mm		
Mount	C-Mount		
Exit Pupil	-58.9mm		
Temperature Range	- 10 ~ + 50 deg. C		
Storage Temperature Range	- 20 ~ + 60 deg. C		
Resolution Center / Corner	160lp/mm / 100lp/mm		
Weight	200g		

OUTLINE



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES [MM] AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES	
SCALE:	1:1
WEIGHT:	SEE TABLE
DR BY:	PB
CH BY:	J. WILLIAMSON
PROJECT #:	DO NOT SCALE DRAWING
DATE DR:	11/12/2018

PROPRIETARY AND CONFIDENTIAL	
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0.0	1.0
inch	
0.0	25.0
mm	

LENS, 16mm, F/1.8, 1.1", 12MP C-MNT		
SIZE	PART NUMBER	REV
B	NMV-16M1.1	