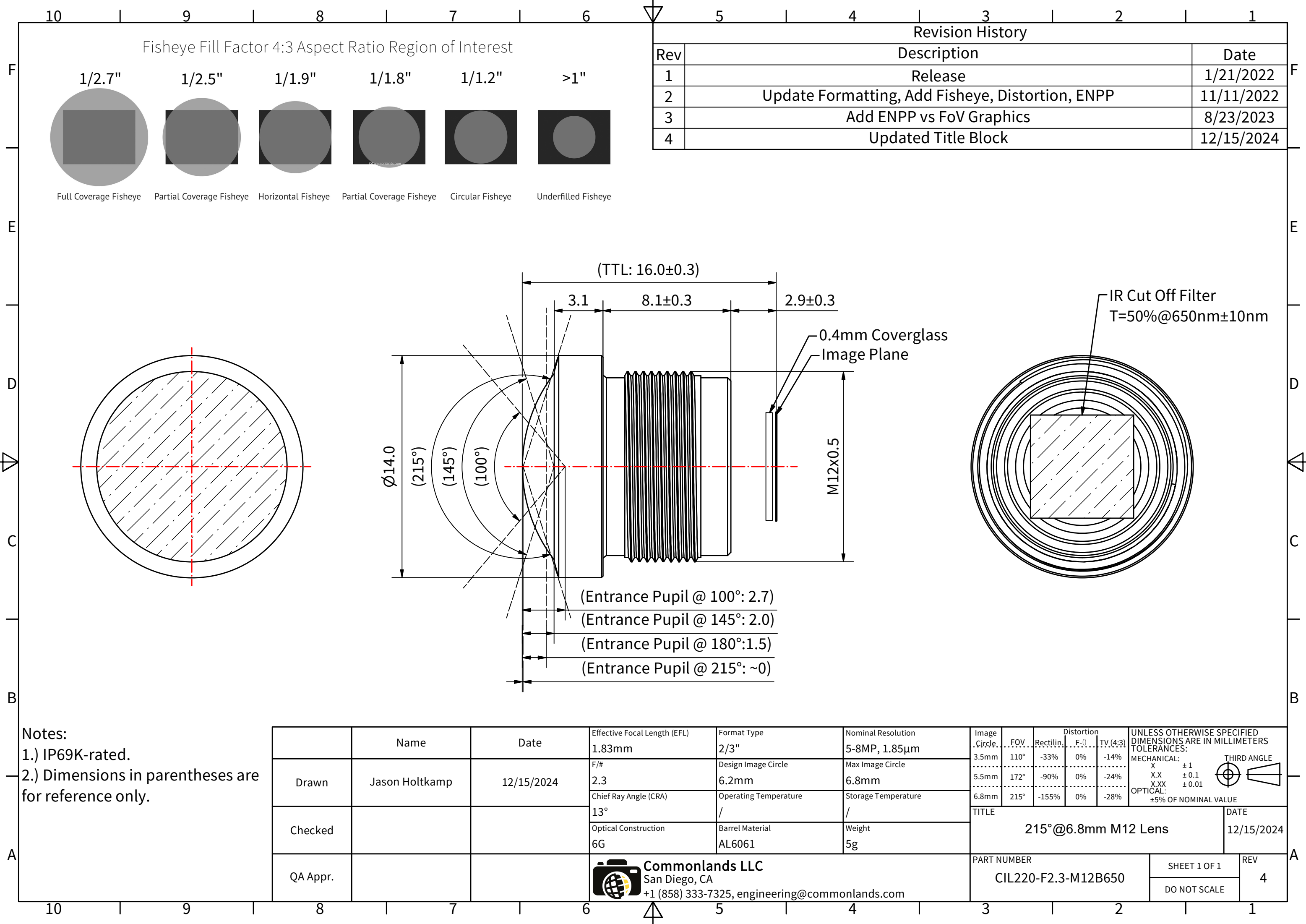
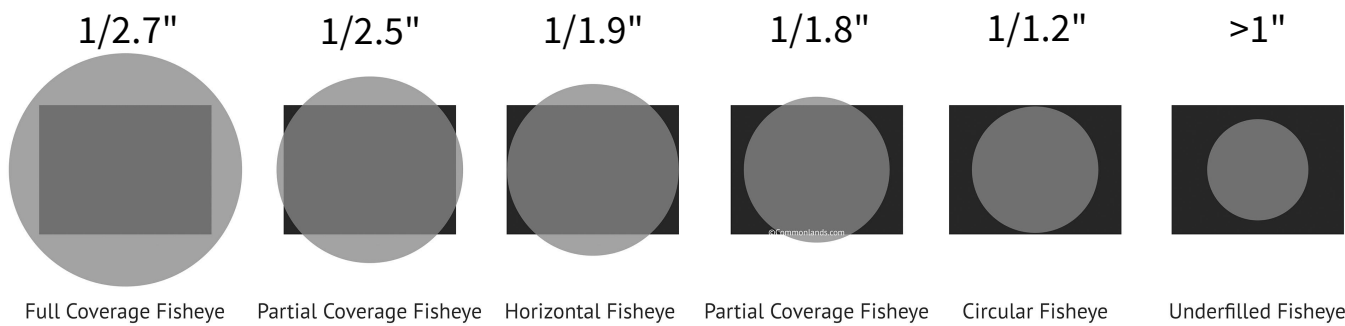




Fisheye Fill Factor 4:3 Aspect Ratio Region of Interest



Revision History		
Rev	Description	Date
1	Release	1/21/2022
2	Update Formatting, Add Fisheye, Distortion, ENPP	11/11/2022
3	Add ENPP vs FoV Graphics	8/23/2023
4	Updated Title Block	12/15/2024

Notes:
1.) IP69K-rated.
2.) Dimensions in parentheses are for reference only.

	Name	Date	Effective Focal Length (EFL)	Format Type	Nominal Resolution	Image Circle	FOV	Rectilin.	F-θ	TV (4:3)	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS TOLERANCES: MECHANICAL: X ± 1 X.X ± 0.1 X.XX ± 0.01 OPTICAL: ± 5% OF NOMINAL VALUE THIRD ANGLE		
Drawn	Jason Holtkamp	12/15/2024	1.83mm	2/3"	5-8MP, 1.85µm	3.5mm	110°	-33%	0%	-14%			
			F/#	Design Image Circle	Max Image Circle	5.5mm	172°	-90%	0%	-24%			
			Chief Ray Angle (CRA)	Operating Temperature	Storage Temperature	6.8mm	215°	-155%	0%	-28%			
Checked			13°	/	/	TITLE					DATE		
			Optical Construction	Barrel Material	Weight	215°@6.8mm M12 Lens					12/15/2024		
QA Appr.			6G	AL6061	5g	PART NUMBER					REV		
			Commonlands LLC San Diego, CA +1 (858) 333-7325, engineering@commonlands.com				CIL220-F2.3-M12B650				SHEET 1 OF 1		
											DO NOT SCALE		
											4		