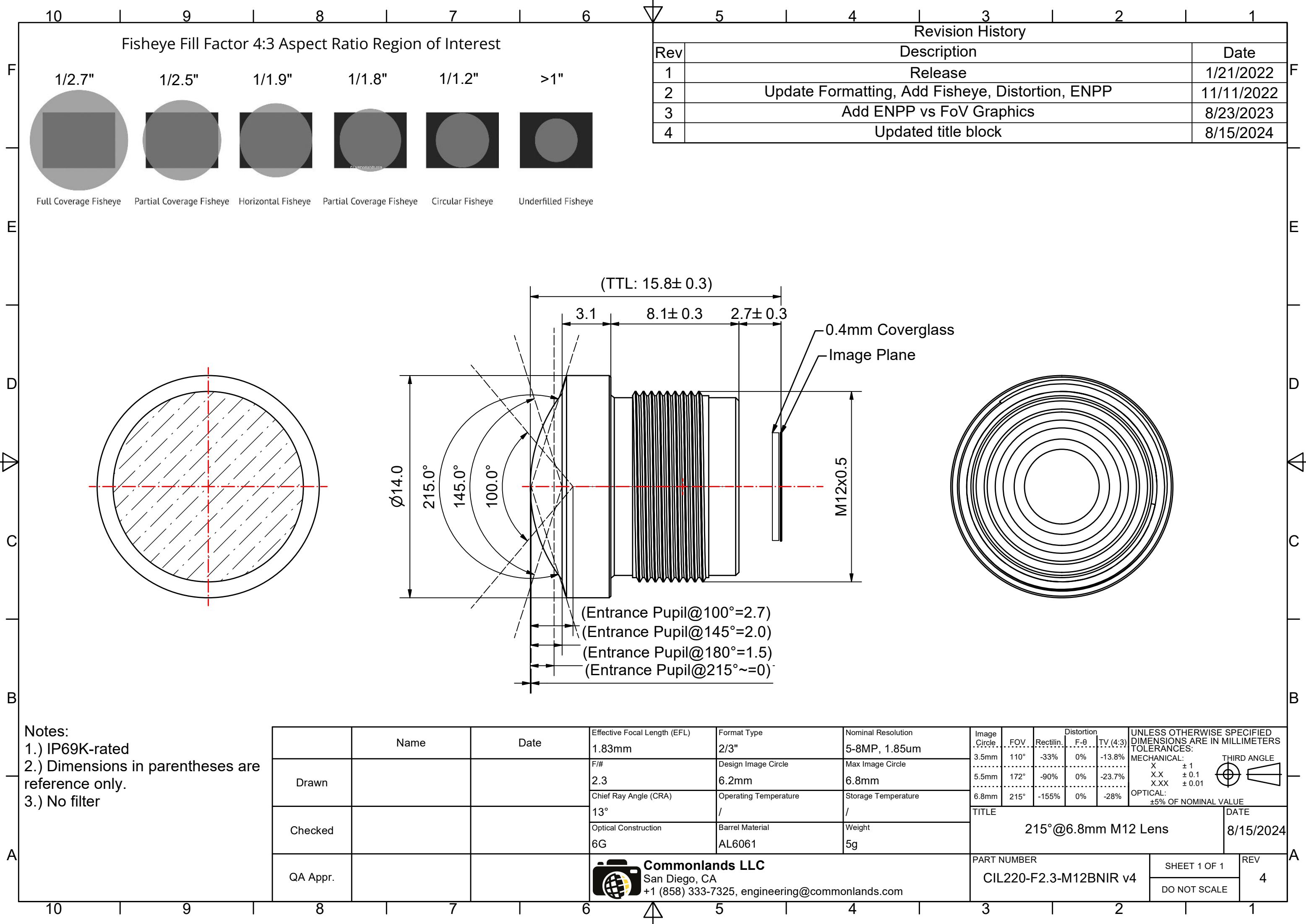
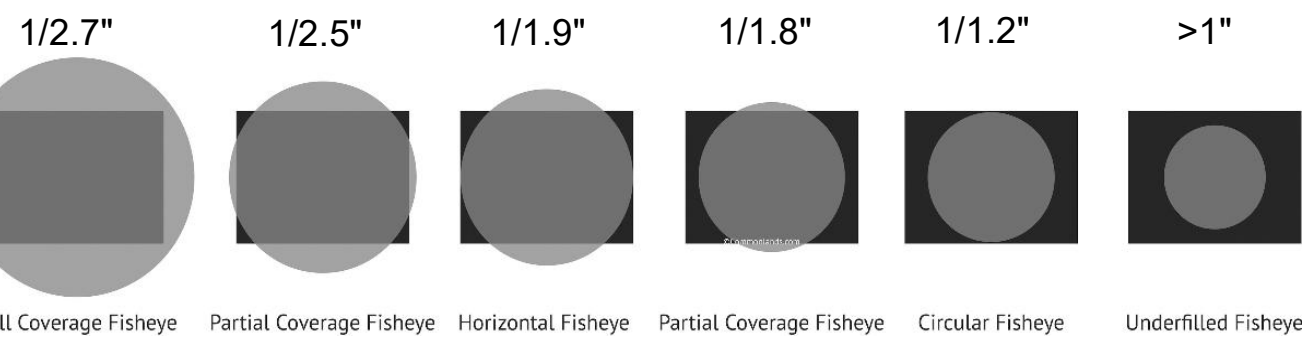




Fisheye Fill Factor 4:3 Aspect Ratio Region of Interest



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	8/15/2024

- Notes:
- 1.) IP69K-rated
 - 2.) Dimensions in parentheses are reference only.
 - 3.) No filter

	Name	Date	Effective Focal Length (EFL) 1.83mm	Format Type 2/3"	Nominal Resolution 5-8MP, 1.85um	Image Circle 3.5mm	FOV 110°	Rectilin. -33%	F-# 0%	TV (4:3) -13.8%	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			F/# 2.3	Design Image Circle 6.2mm	Max Image Circle 6.8mm	5.5mm	172°	-90%	0%	-23.7%				
			Chief Ray Angle (CRA) 13°	Operating Temperature /	Storage Temperature /	6.8mm	215°	-155%	0%	-28%				
Checked			Optical Construction 6G	Barrel Material AL6061	Weight 5g	TITLE 215°@6.8mm M12 Lens						DATE 8/15/2024		
QA Appr.			 Commonlands LLC San Diego, CA +1 (858) 333-7325, engineering@commonlands.com					PART NUMBER CIL220-F2.3-M12BNIR v4				SHEET 1 OF 1 DO NOT SCALE		REV 4