

**CAMERA FIELD OF VIEW
OVERLAY DIMENSIONS**

for

**The DEEP SPACE
IMAGE CATALOG**

Introduction

This booklet presents a wide range of dimensions that can be used to make custom camera field of view overlay transparencies as described in chapter 6 of the book: DEEP SPACE IMAGE CATALOG by Roger Blake.

How to Read This Booklet

Each of the following pages contains two blocks of data similar to that shown below. The user finds the block that most closely matches the **Focal Length (FL)** of his telescope using column 1. He then finds the row that most closely matches the size of his camera detector using column 2 or column 5. The dimensions of the overlay are then read from that row in columns 3 and 4, or columns 6 and 7 as appropriate.

Example: Assume a telescope with a 1300 mm focal length, with a camera that has a 3.5 mm x 5.0 mm detector. The overlay transparency should therefore be constructed with two rectangles.

The rectangle to be overlaid on the images labeled “**20x**” should be 14.2 x 20.3 mm.
The rectangle to be overlaid on the images labeled “**40x**” should be 28.4 x 40.6 mm.

** notations identify those overlay dimensions that are larger than 8.5”.

CAMERA FIELD OF VIEW OVERLAYS							
Scope FL (mm)	Camera Detector Size (mm)	Rectangle Length/Width for Overlay Transparency =====		Camera Detector Size (mm)	Rectangle Length/Width for Overlay Transparency =====		
		20x Image (mm)	40x Images (mm)		20x Image (mm)	40x Images (mm)	
		1300	2.0		8.1	16.2	15.0
1300	2.5	10.1	20.3	16.0	64.9	129.8	
1300	3.0	12.2	24.3	17.0	69.0	137.9	
1300	3.5	14.2	28.4	18.0	73.0	146.0	
1300	4.0	16.2	32.4	19.0	77.1	154.1	
1300	4.5	18.3	36.5	20.0	81.1	162.2	
1300	5.0	20.3	40.6	21.0	85.2	170.4	
1300	5.5	22.3	44.6	22.0	89.2	178.5	
1300	6.0	24.3	48.7	23.0	93.3	186.6	
1300	6.5	26.4	52.7	24.0	97.3	194.7	
1300	7.0	28.4	56.8	25.0	101.4	202.8	
1300	7.5	30.4	60.8	26.0	105.5	210.9	
1300	8.0	32.4	64.9	27.0	109.5	219.0	
1300	8.5	34.5	69.0	28.0	113.6	227.1	
1300	9.0	36.5	73.0	29.0	117.6	235.3	
1300	9.5	38.5	77.1	30.0	121.7	243.4	
1300	10.0	40.6	81.1	31.0	125.7	251.5	
1300	10.5	42.6	85.2	32.0	129.8	259.6	
1300	11.0	44.6	89.2	33.0	133.9	267.7	
1300	11.5	46.6	93.3	34.0	137.9	275.8	
1300	12.0	48.7	97.3	35.0	142.0	283.9	
1300	12.5	50.7	101.4	36.0	146.0	292.0	
1300	13.0	52.7	105.5	37.0	150.1	300.2	
1300	13.5	54.8	109.5	38.0	154.1	308.3	
1300	14.0	56.8	113.6	39.0	158.2	316.4	

CAMERA FIELD OF VIEW OVERLAYS

Scope FL(mm)	Camera Detector Size (mm)	Rectangle Length/Width for Overlay Transparency =====		Camera Detector Size (mm)	Rectangle Length/Width for Overlay Transparency =====	
		20x Image (mm)	40x Images (mm)		20x Image (mm)	40x Images (mm)
500	2.0	21.1	42.2	15.0	158.2	316.4
500	2.5	26.4	52.7	16.0	168.7	337.5
500	3.0	31.6	63.3	17.0	179.3	358.6
500	3.5	36.9	73.8	18.0	189.8	379.7
500	4.0	42.2	84.4	19.0	200.4	400.7
500	4.5	47.5	94.9	20.0	210.9	421.8
500	5.0	52.7	105.5	21.0	221.5	442.9
500	5.5	58.0	116.0	22.0	232.0	464.0
500	6.0	63.3	126.6	23.0	242.6	485.1
500	6.5	68.5	137.1	24.0	253.1	506.2
500	7.0	73.8	147.6	25.0	263.7	527.3
500	7.5	79.1	158.2	26.0	274.2	548.4
500	8.0	84.4	168.7	27.0	284.7	569.5
500	8.5	89.6	179.3	28.0	295.3	590.6
500	9.0	94.9	189.8	29.0	305.8	611.7
500	9.5	100.2	200.4	30.0	316.4	632.8
500	10.0	105.5	210.9	31.0	326.9	653.9
500	10.5	110.7	221.5 **	32.0	337.5	674.9
500	11.0	116.0	232.0 **	33.0	348.0	696.0
500	11.5	121.3	242.6 **	34.0	358.6	717.1
500	12.0	126.6	253.1 **	35.0	369.1	738.2
500	12.5	131.8	263.7 **	36.0	379.7	759.3
500	13.0	137.1	274.2 **	37.0	390.2	780.4
500	13.5	142.4	284.7 **	38.0	400.7	801.5
500	14.0	147.6	295.3 **	39.0	411.3	822.6

CAMERA FIELD OF VIEW OVERLAYS

Scope FL(mm)	Camera Detector Size (mm)	Rectangle Length/Width for Overlay Transparency =====		Camera Detector Size (mm)	Rectangle Length/Width for Overlay Transparency =====	
		20x Image (mm)	40x Images (mm)		20x Image (mm)	40x Images (mm)
600	2.0	17.6	35.2	15.0	131.8	263.7
600	2.5	22.0	43.9	16.0	140.6	281.2
600	3.0	26.4	52.7	17.0	149.4	298.8
600	3.5	30.8	61.5	18.0	158.2	316.4
600	4.0	35.2	70.3	19.0	167.0	334.0
600	4.5	39.5	79.1	20.0	175.8	351.5
600	5.0	43.9	87.9	21.0	184.6	369.1
600	5.5	48.3	96.7	22.0	193.3	386.7
600	6.0	52.7	105.5	23.0	202.1	404.3
600	6.5	57.1	114.2	24.0	210.9	421.8
600	7.0	61.5	123.0	25.0	219.7	439.4
600	7.5	65.9	131.8	26.0	228.5	457.0
600	8.0	70.3	140.6	27.0	237.3	474.6
600	8.5	74.7	149.4	28.0	246.1	492.1
600	9.0	79.1	158.2	29.0	254.9	509.7
600	9.5	83.5	167.0	30.0	263.7	527.3
600	10.0	87.9	175.8	31.0	272.4	544.9
600	10.5	92.3	184.6	32.0	281.2	562.5
600	11.0	96.7	193.3	33.0	290.0	580.0
600	11.5	101.1	202.1	34.0	298.8	597.6
600	12.0	105.5	210.9	35.0	307.6	615.2
600	12.5	109.9	219.7 **	36.0	316.4	632.8
600	13.0	114.2	228.5 **	37.0	325.2	650.3
600	13.5	118.6	237.3 **	38.0	334.0	667.9
600	14.0	123.0	246.1 **	39.0	342.7	685.5

CAMERA FIELD OF VIEW OVERLAYS

Scope FL(mm)	Camera Detector Size (mm)	Rectangle Length/Width for Overlay Transparency =====		Camera Detector Size (mm)	Rectangle Length/Width for Overlay Transparency =====	
		20x Image (mm)	40x Images (mm)		20x Image (mm)	40x Images (mm)
700	2.0	15.1	30.1	15.0	113.0	226.0
700	2.5	18.8	37.7	16.0	120.5	241.1
700	3.0	22.6	45.2	17.0	128.1	256.1
700	3.5	26.4	52.7	18.0	135.6	271.2
700	4.0	30.1	60.3	19.0	143.1	286.2
700	4.5	33.9	67.8	20.0	150.7	301.3
700	5.0	37.7	75.3	21.0	158.2	316.4
700	5.5	41.4	82.9	22.0	165.7	331.4
700	6.0	45.2	90.4	23.0	173.3	346.5
700	6.5	49.0	97.9	24.0	180.8	361.6
700	7.0	52.7	105.5	25.0	188.3	376.6
700	7.5	56.5	113.0	26.0	195.9	391.7
700	8.0	60.3	120.5	27.0	203.4	406.8
700	8.5	64.0	128.1	28.0	210.9	421.8
700	9.0	67.8	135.6	29.0	218.5	436.9
700	9.5	71.6	143.1	30.0	226.0	452.0
700	10.0	75.3	150.7	31.0	233.5	467.0
700	10.5	79.1	158.2	32.0	241.1	482.1
700	11.0	82.9	165.7	33.0	248.6	497.2
700	11.5	86.6	173.3	34.0	256.1	512.2
700	12.0	90.4	180.8	35.0	263.7	527.3
700	12.5	94.2	188.3	36.0	271.2	542.4
700	13.0	97.9	195.9	37.0	278.7	557.4
700	13.5	101.7	203.4	38.0	286.2	572.5
700	14.0	105.5	210.9	39.0	293.8	587.6

CAMERA FIELD OF VIEW OVERLAYS

Scope FL(mm)	Camera Detector Size (mm)	Rectangle Length/Width for Overlay Transparency =====		Camera Detector Size (mm)	Rectangle Length/Width for Overlay Transparency =====	
		20x Image (mm)	40x Images (mm)		20x Image (mm)	40x Images (mm)
800	2.0	13.2	26.4	15.0	98.9	197.7
800	2.5	16.5	33.0	16.0	105.5	210.9
800	3.0	19.8	39.5	17.0	112.1	224.1
800	3.5	23.1	46.1	18.0	118.6	237.3
800	4.0	26.4	52.7	19.0	125.2	250.5
800	4.5	29.7	59.3	20.0	131.8	263.7
800	5.0	33.0	65.9	21.0	138.4	276.8
800	5.5	36.3	72.5	22.0	145.0	290.0
800	6.0	39.5	79.1	23.0	151.6	303.2
800	6.5	42.8	85.7	24.0	158.2	316.4
800	7.0	46.1	92.3	25.0	164.8	329.6
800	7.5	49.4	98.9	26.0	171.4	342.7
800	8.0	52.7	105.5	27.0	178.0	355.9
800	8.5	56.0	112.1	28.0	184.6	369.1
800	9.0	59.3	118.6	29.0	191.1	382.3
800	9.5	62.6	125.2	30.0	197.7	395.5
800	10.0	65.9	131.8	31.0	204.3	408.7
800	10.5	69.2	138.4	32.0	210.9	421.8
800	11.0	72.5	145.0	33.0	217.5	435.0
800	11.5	75.8	151.6	34.0	224.1	448.2
800	12.0	79.1	158.2	35.0	230.7	461.4
800	12.5	82.4	164.8	36.0	237.3	474.6
800	13.0	85.7	171.4	37.0	243.9	487.8
800	13.5	89.0	178.0	38.0	250.5	500.9
800	14.0	92.3	184.6	39.0	257.1	514.1

CAMERA FIELD OF VIEW OVERLAYS

Scope FL(mm)	Camera Detector Size (mm)	Rectangle Length/Width for Overlay Transparency =====		Camera Detector Size (mm)	Rectangle Length/Width for Overlay Transparency =====	
		20x Image (mm)	40x Images (mm)		20x Image (mm)	40x Images (mm)
900	2.0	11.7	23.4	15.0	87.9	175.8
900	2.5	14.6	29.3	16.0	93.7	187.5
900	3.0	17.6	35.2	17.0	99.6	199.2
900	3.5	20.5	41.0	18.0	105.5	210.9
900	4.0	23.4	46.9	19.0	111.3	222.6
900	4.5	26.4	52.7	20.0	117.2	234.4
900	5.0	29.3	58.6	21.0	123.0	246.1
900	5.5	32.2	64.4	22.0	128.9	257.8
900	6.0	35.2	70.3	23.0	134.8	269.5
900	6.5	38.1	76.2	24.0	140.6	281.2
900	7.0	41.0	82.0	25.0	146.5	292.9
900	7.5	43.9	87.9	26.0	152.3	304.7
900	8.0	46.9	93.7	27.0	158.2	316.4
900	8.5	49.8	99.6	28.0	164.0	328.1
900	9.0	52.7	105.5	29.0	169.9	339.8
900	9.5	55.7	111.3	30.0	175.8	351.5
900	10.0	58.6	117.2	31.0	181.6	363.3
900	10.5	61.5	123.0	32.0	187.5	375.0
900	11.0	64.4	128.9	33.0	193.3	386.7
900	11.5	67.4	134.8	34.0	199.2	398.4
900	12.0	70.3	140.6	35.0	205.1	410.1
900	12.5	73.2	146.5	36.0	210.9	421.8
900	13.0	76.2	152.3	37.0	216.8	433.6
900	13.5	79.1	158.2	38.0	222.6	445.3
900	14.0	82.0	164.0	39.0	228.5	457.0

CAMERA FIELD OF VIEW OVERLAYS

Scope FL(mm)	Camera Detector Size (mm)	Rectangle Length/Width for Overlay Transparency =====		Camera Detector Size (mm)	Rectangle Length/Width for Overlay Transparency =====	
		20x Image (mm)	40x Images (mm)		20x Image (mm)	40x Images (mm)
1000	2.0	10.5	21.1	15.0	79.1	158.2
1000	2.5	13.2	26.4	16.0	84.4	168.7
1000	3.0	15.8	31.6	17.0	89.6	179.3
1000	3.5	18.5	36.9	18.0	94.9	189.8
1000	4.0	21.1	42.2	19.0	100.2	200.4
1000	4.5	23.7	47.5	20.0	105.5	210.9
1000	5.0	26.4	52.7	21.0	110.7	221.5
1000	5.5	29.0	58.0	22.0	116.0	232.0
1000	6.0	31.6	63.3	23.0	121.3	242.6
1000	6.5	34.3	68.5	24.0	126.6	253.1
1000	7.0	36.9	73.8	25.0	131.8	263.7
1000	7.5	39.5	79.1	26.0	137.1	274.2
1000	8.0	42.2	84.4	27.0	142.4	284.7
1000	8.5	44.8	89.6	28.0	147.6	295.3
1000	9.0	47.5	94.9	29.0	152.9	305.8
1000	9.5	50.1	100.2	30.0	158.2	316.4
1000	10.0	52.7	105.5	31.0	163.5	326.9
1000	10.5	55.4	110.7	32.0	168.7	337.5
1000	11.0	58.0	116.0	33.0	174.0	348.0
1000	11.5	60.6	121.3	34.0	179.3	358.6
1000	12.0	63.3	126.6	35.0	184.6	369.1
1000	12.5	65.9	131.8	36.0	189.8	379.7
1000	13.0	68.5	137.1	37.0	195.1	390.2
1000	13.5	71.2	142.4	38.0	200.4	400.7
1000	14.0	73.8	147.6	39.0	205.6	411.3

CAMERA FIELD OF VIEW OVERLAYS

Scope FL(mm)	Camera Detector Size (mm)	Rectangle Length/Width for Overlay Transparency =====		Camera Detector Size (mm)	Rectangle Length/Width for Overlay Transparency =====	
		20x Image (mm)	40x Images (mm)		20x Image (mm)	40x Images (mm)
1100	2.0	9.6	19.2	15.0	71.9	143.8
1100	2.5	12.0	24.0	16.0	76.7	153.4
1100	3.0	14.4	28.8	17.0	81.5	163.0
1100	3.5	16.8	33.6	18.0	86.3	172.6
1100	4.0	19.2	38.3	19.0	91.1	182.2
1100	4.5	21.6	43.1	20.0	95.9	191.7
1100	5.0	24.0	47.9	21.0	100.7	201.3
1100	5.5	26.4	52.7	22.0	105.5	210.9
1100	6.0	28.8	57.5	23.0	110.3	220.5
1100	6.5	31.2	62.3	24.0	115.0	230.1
1100	7.0	33.6	67.1	25.0	119.8	239.7
1100	7.5	36.0	71.9	26.0	124.6	249.3
1100	8.0	38.3	76.7	27.0	129.4	258.9
1100	8.5	40.7	81.5	28.0	134.2	268.4
1100	9.0	43.1	86.3	29.0	139.0	278.0
1100	9.5	45.5	91.1	30.0	143.8	287.6
1100	10.0	47.9	95.9	31.0	148.6	297.2
1100	10.5	50.3	100.7	32.0	153.4	306.8
1100	11.0	52.7	105.5	33.0	158.2	316.4
1100	11.5	55.1	110.3	34.0	163.0	326.0
1100	12.0	57.5	115.0	35.0	167.8	335.6
1100	12.5	59.9	119.8	36.0	172.6	345.1
1100	13.0	62.3	124.6	37.0	177.4	354.7
1100	13.5	64.7	129.4	38.0	182.2	364.3
1100	14.0	67.1	134.2	39.0	187.0	373.9

CAMERA FIELD OF VIEW OVERLAYS

Scope FL(mm)	Camera Detector Size (mm)	Rectangle Length/Width for Overlay Transparency =====		Camera Detector Size (mm)	Rectangle Length/Width for Overlay Transparency =====	
		20x Image (mm)	40x Images (mm)		20x Image (mm)	40x Images (mm)
1200	2.0	8.8	17.6	15.0	65.9	131.8
1200	2.5	11.0	22.0	16.0	70.3	140.6
1200	3.0	13.2	26.4	17.0	74.7	149.4
1200	3.5	15.4	30.8	18.0	79.1	158.2
1200	4.0	17.6	35.2	19.0	83.5	167.0
1200	4.5	19.8	39.5	20.0	87.9	175.8
1200	5.0	22.0	43.9	21.0	92.3	184.6
1200	5.5	24.2	48.3	22.0	96.7	193.3
1200	6.0	26.4	52.7	23.0	101.1	202.1
1200	6.5	28.6	57.1	24.0	105.5	210.9
1200	7.0	30.8	61.5	25.0	109.9	219.7
1200	7.5	33.0	65.9	26.0	114.2	228.5
1200	8.0	35.2	70.3	27.0	118.6	237.3
1200	8.5	37.4	74.7	28.0	123.0	246.1
1200	9.0	39.5	79.1	29.0	127.4	254.9
1200	9.5	41.7	83.5	30.0	131.8	263.7
1200	10.0	43.9	87.9	31.0	136.2	272.4
1200	10.5	46.1	92.3	32.0	140.6	281.2
1200	11.0	48.3	96.7	33.0	145.0	290.0
1200	11.5	50.5	101.1	34.0	149.4	298.8
1200	12.0	52.7	105.5	35.0	153.8	307.6
1200	12.5	54.9	109.9	36.0	158.2	316.4
1200	13.0	57.1	114.2	37.0	162.6	325.2
1200	13.5	59.3	118.6	38.0	167.0	334.0
1200	14.0	61.5	123.0	39.0	171.4	342.7

CAMERA FIELD OF VIEW OVERLAYS

Scope FL(mm)	Camera Detector Size (mm)	Rectangle Length/Width for Overlay Transparency =====		Camera Detector Size (mm)	Rectangle Length/Width for Overlay Transparency =====	
		20x Image (mm)	40x Images (mm)		20x Image (mm)	40x Images (mm)
1300	2.0	8.1	16.2	15.0	60.8	121.7
1300	2.5	10.1	20.3	16.0	64.9	129.8
1300	3.0	12.2	24.3	17.0	69.0	137.9
1300	3.5	14.2	28.4	18.0	73.0	146.0
1300	4.0	16.2	32.4	19.0	77.1	154.1
1300	4.5	18.3	36.5	20.0	81.1	162.2
1300	5.0	20.3	40.6	21.0	85.2	170.4
1300	5.5	22.3	44.6	22.0	89.2	178.5
1300	6.0	24.3	48.7	23.0	93.3	186.6
1300	6.5	26.4	52.7	24.0	97.3	194.7
1300	7.0	28.4	56.8	25.0	101.4	202.8
1300	7.5	30.4	60.8	26.0	105.5	210.9
1300	8.0	32.4	64.9	27.0	109.5	219.0
1300	8.5	34.5	69.0	28.0	113.6	227.1
1300	9.0	36.5	73.0	29.0	117.6	235.3
1300	9.5	38.5	77.1	30.0	121.7	243.4
1300	10.0	40.6	81.1	31.0	125.7	251.5
1300	10.5	42.6	85.2	32.0	129.8	259.6
1300	11.0	44.6	89.2	33.0	133.9	267.7
1300	11.5	46.6	93.3	34.0	137.9	275.8
1300	12.0	48.7	97.3	35.0	142.0	283.9
1300	12.5	50.7	101.4	36.0	146.0	292.0
1300	13.0	52.7	105.5	37.0	150.1	300.2
1300	13.5	54.8	109.5	38.0	154.1	308.3
1300	14.0	56.8	113.6	39.0	158.2	316.4

CAMERA FIELD OF VIEW OVERLAYS

Scope FL(mm)	Camera Detector Size (mm)	Rectangle Length/Width for Overlay Transparency =====		Camera Detector Size (mm)	Rectangle Length/Width for Overlay Transparency =====	
		20x Image (mm)	40x Images (mm)		20x Image (mm)	40x Images (mm)
1400	2.0	7.5	15.1	15.0	56.5	113.0
1400	2.5	9.4	18.8	16.0	60.3	120.5
1400	3.0	11.3	22.6	17.0	64.0	128.1
1400	3.5	13.2	26.4	18.0	67.8	135.6
1400	4.0	15.1	30.1	19.0	71.6	143.1
1400	4.5	16.9	33.9	20.0	75.3	150.7
1400	5.0	18.8	37.7	21.0	79.1	158.2
1400	5.5	20.7	41.4	22.0	82.9	165.7
1400	6.0	22.6	45.2	23.0	86.6	173.3
1400	6.5	24.5	49.0	24.0	90.4	180.8
1400	7.0	26.4	52.7	25.0	94.2	188.3
1400	7.5	28.2	56.5	26.0	97.9	195.9
1400	8.0	30.1	60.3	27.0	101.7	203.4
1400	8.5	32.0	64.0	28.0	105.5	210.9
1400	9.0	33.9	67.8	29.0	109.2	218.5
1400	9.5	35.8	71.6	30.0	113.0	226.0
1400	10.0	37.7	75.3	31.0	116.8	233.5
1400	10.5	39.5	79.1	32.0	120.5	241.1
1400	11.0	41.4	82.9	33.0	124.3	248.6
1400	11.5	43.3	86.6	34.0	128.1	256.1
1400	12.0	45.2	90.4	35.0	131.8	263.7
1400	12.5	47.1	94.2	36.0	135.6	271.2
1400	13.0	49.0	97.9	37.0	139.4	278.7
1400	13.5	50.8	101.7	38.0	143.1	286.2
1400	14.0	52.7	105.5	39.0	146.9	293.8

CAMERA FIELD OF VIEW OVERLAYS

Scope FL(mm)	Camera Detector Size (mm)	Rectangle Length/Width for Overlay Transparency =====		Camera Detector Size (mm)	Rectangle Length/Width for Overlay Transparency =====	
		20x Image (mm)	40x Images (mm)		20x Image (mm)	40x Images (mm)
1500	2.0	7.0	14.1	15.0	52.7	105.5
1500	2.5	8.8	17.6	16.0	56.2	112.5
1500	3.0	10.5	21.1	17.0	59.8	119.5
1500	3.5	12.3	24.6	18.0	63.3	126.6
1500	4.0	14.1	28.1	19.0	66.8	133.6
1500	4.5	15.8	31.6	20.0	70.3	140.6
1500	5.0	17.6	35.2	21.0	73.8	147.6
1500	5.5	19.3	38.7	22.0	77.3	154.7
1500	6.0	21.1	42.2	23.0	80.9	161.7
1500	6.5	22.8	45.7	24.0	84.4	168.7
1500	7.0	24.6	49.2	25.0	87.9	175.8
1500	7.5	26.4	52.7	26.0	91.4	182.8
1500	8.0	28.1	56.2	27.0	94.9	189.8
1500	8.5	29.9	59.8	28.0	98.4	196.9
1500	9.0	31.6	63.3	29.0	101.9	203.9
1500	9.5	33.4	66.8	30.0	105.5	210.9
1500	10.0	35.2	70.3	31.0	109.0	218.0
1500	10.5	36.9	73.8	32.0	112.5	225.0
1500	11.0	38.7	77.3	33.0	116.0	232.0
1500	11.5	40.4	80.9	34.0	119.5	239.0
1500	12.0	42.2	84.4	35.0	123.0	246.1
1500	12.5	43.9	87.9	36.0	126.6	253.1
1500	13.0	45.7	91.4	37.0	130.1	260.1
1500	13.5	47.5	94.9	38.0	133.6	267.2
1500	14.0	49.2	98.4	39.0	137.1	274.2

CAMERA FIELD OF VIEW OVERLAYS

Scope FL(mm)	Camera Detector Size (mm)	Rectangle Length/Width for Overlay Transparency =====		Camera Detector Size (mm)	Rectangle Length/Width for Overlay Transparency =====	
		20x Image (mm)	40x Images (mm)		20x Image (mm)	40x Images (mm)
1600	2.0	6.6	13.2	15.0	49.4	98.9
1600	2.5	8.2	16.5	16.0	52.7	105.5
1600	3.0	9.9	19.8	17.0	56.0	112.1
1600	3.5	11.5	23.1	18.0	59.3	118.6
1600	4.0	13.2	26.4	19.0	62.6	125.2
1600	4.5	14.8	29.7	20.0	65.9	131.8
1600	5.0	16.5	33.0	21.0	69.2	138.4
1600	5.5	18.1	36.3	22.0	72.5	145.0
1600	6.0	19.8	39.5	23.0	75.8	151.6
1600	6.5	21.4	42.8	24.0	79.1	158.2
1600	7.0	23.1	46.1	25.0	82.4	164.8
1600	7.5	24.7	49.4	26.0	85.7	171.4
1600	8.0	26.4	52.7	27.0	89.0	178.0
1600	8.5	28.0	56.0	28.0	92.3	184.6
1600	9.0	29.7	59.3	29.0	95.6	191.1
1600	9.5	31.3	62.6	30.0	98.9	197.7
1600	10.0	33.0	65.9	31.0	102.2	204.3
1600	10.5	34.6	69.2	32.0	105.5	210.9
1600	11.0	36.3	72.5	33.0	108.8	217.5
1600	11.5	37.9	75.8	34.0	112.1	224.1
1600	12.0	39.5	79.1	35.0	115.3	230.7
1600	12.5	41.2	82.4	36.0	118.6	237.3
1600	13.0	42.8	85.7	37.0	121.9	243.9
1600	13.5	44.5	89.0	38.0	125.2	250.5
1600	14.0	46.1	92.3	39.0	128.5	257.1

CAMERA FIELD OF VIEW OVERLAYS

Scope FL(mm)	Camera Detector Size (mm)	Rectangle Length/Width for Overlay Transparency =====		Camera Detector Size (mm)	Rectangle Length/Width for Overlay Transparency =====	
		20x Image (mm)	40x Images (mm)		20x Image (mm)	40x Images (mm)
1700	2.0	6.2	12.4	15.0	46.5	93.1
1700	2.5	7.8	15.5	16.0	49.6	99.3
1700	3.0	9.3	18.6	17.0	52.7	105.5
1700	3.5	10.9	21.7	18.0	55.8	111.7
1700	4.0	12.4	24.8	19.0	58.9	117.9
1700	4.5	14.0	27.9	20.0	62.0	124.1
1700	5.0	15.5	31.0	21.0	65.1	130.3
1700	5.5	17.1	34.1	22.0	68.2	136.5
1700	6.0	18.6	37.2	23.0	71.3	142.7
1700	6.5	20.2	40.3	24.0	74.4	148.9
1700	7.0	21.7	43.4	25.0	77.5	155.1
1700	7.5	23.3	46.5	26.0	80.6	161.3
1700	8.0	24.8	49.6	27.0	83.7	167.5
1700	8.5	26.4	52.7	28.0	86.8	173.7
1700	9.0	27.9	55.8	29.0	90.0	179.9
1700	9.5	29.5	58.9	30.0	93.1	186.1
1700	10.0	31.0	62.0	31.0	96.2	192.3
1700	10.5	32.6	65.1	32.0	99.3	198.5
1700	11.0	34.1	68.2	33.0	102.4	204.7
1700	11.5	35.7	71.3	34.0	105.5	210.9
1700	12.0	37.2	74.4	35.0	108.6	217.1
1700	12.5	38.8	77.5	36.0	111.7	223.3
1700	13.0	40.3	80.6	37.0	114.8	229.5
1700	13.5	41.9	83.7	38.0	117.9	235.7
1700	14.0	43.4	86.8	39.0	121.0	241.9

CAMERA FIELD OF VIEW OVERLAYS

Scope FL(mm)	Camera Detector Size (mm)	Rectangle Length/Width for Overlay Transparency =====		Camera Detector Size (mm)	Rectangle Length/Width for Overlay Transparency =====	
		20x Image (mm)	40x Images (mm)		20x Image (mm)	40x Images (mm)
1800	2.0	5.9	11.7	15.0	43.9	87.9
1800	2.5	7.3	14.6	16.0	46.9	93.7
1800	3.0	8.8	17.6	17.0	49.8	99.6
1800	3.5	10.3	20.5	18.0	52.7	105.5
1800	4.0	11.7	23.4	19.0	55.7	111.3
1800	4.5	13.2	26.4	20.0	58.6	117.2
1800	5.0	14.6	29.3	21.0	61.5	123.0
1800	5.5	16.1	32.2	22.0	64.4	128.9
1800	6.0	17.6	35.2	23.0	67.4	134.8
1800	6.5	19.0	38.1	24.0	70.3	140.6
1800	7.0	20.5	41.0	25.0	73.2	146.5
1800	7.5	22.0	43.9	26.0	76.2	152.3
1800	8.0	23.4	46.9	27.0	79.1	158.2
1800	8.5	24.9	49.8	28.0	82.0	164.0
1800	9.0	26.4	52.7	29.0	85.0	169.9
1800	9.5	27.8	55.7	30.0	87.9	175.8
1800	10.0	29.3	58.6	31.0	90.8	181.6
1800	10.5	30.8	61.5	32.0	93.7	187.5
1800	11.0	32.2	64.4	33.0	96.7	193.3
1800	11.5	33.7	67.4	34.0	99.6	199.2
1800	12.0	35.2	70.3	35.0	102.5	205.1
1800	12.5	36.6	73.2	36.0	105.5	210.9
1800	13.0	38.1	76.2	37.0	108.4	216.8
1800	13.5	39.5	79.1	38.0	111.3	222.6
1800	14.0	41.0	82.0	39.0	114.2	228.5

CAMERA FIELD OF VIEW OVERLAYS

Scope FL(mm)	Camera Detector Size (mm)	Rectangle Length/Width for Overlay Transparency =====		Camera Detector Size (mm)	Rectangle Length/Width for Overlay Transparency =====	
		20x Image (mm)	40x Images (mm)		20x Image (mm)	40x Images (mm)
1900	2.0	5.6	11.1	15.0	41.6	83.3
1900	2.5	6.9	13.9	16.0	44.4	88.8
1900	3.0	8.3	16.7	17.0	47.2	94.4
1900	3.5	9.7	19.4	18.0	50.0	99.9
1900	4.0	11.1	22.2	19.0	52.7	105.5
1900	4.5	12.5	25.0	20.0	55.5	111.0
1900	5.0	13.9	27.8	21.0	58.3	116.6
1900	5.5	15.3	30.5	22.0	61.1	122.1
1900	6.0	16.7	33.3	23.0	63.8	127.7
1900	6.5	18.0	36.1	24.0	66.6	133.2
1900	7.0	19.4	38.9	25.0	69.4	138.8
1900	7.5	20.8	41.6	26.0	72.2	144.3
1900	8.0	22.2	44.4	27.0	74.9	149.9
1900	8.5	23.6	47.2	28.0	77.7	155.4
1900	9.0	25.0	50.0	29.0	80.5	161.0
1900	9.5	26.4	52.7	30.0	83.3	166.5
1900	10.0	27.8	55.5	31.0	86.0	172.1
1900	10.5	29.1	58.3	32.0	88.8	177.6
1900	11.0	30.5	61.1	33.0	91.6	183.2
1900	11.5	31.9	63.8	34.0	94.4	188.7
1900	12.0	33.3	66.6	35.0	97.1	194.3
1900	12.5	34.7	69.4	36.0	99.9	199.8
1900	13.0	36.1	72.2	37.0	102.7	205.4
1900	13.5	37.5	74.9	38.0	105.5	210.9
1900	14.0	38.9	77.7	39.0	108.2	216.5

CAMERA FIELD OF VIEW OVERLAYS

Scope FL(mm)	Camera Detector Size (mm)	Rectangle Length/Width for Overlay Transparency =====		Camera Detector Size (mm)	Rectangle Length/Width for Overlay Transparency =====	
		20x Image (mm)	40x Images (mm)		20x Image (mm)	40x Images (mm)
2000	2.0	5.3	10.5	15.0	39.5	79.1
2000	2.5	6.6	13.2	16.0	42.2	84.4
2000	3.0	7.9	15.8	17.0	44.8	89.6
2000	3.5	9.2	18.5	18.0	47.5	94.9
2000	4.0	10.5	21.1	19.0	50.1	100.2
2000	4.5	11.9	23.7	20.0	52.7	105.5
2000	5.0	13.2	26.4	21.0	55.4	110.7
2000	5.5	14.5	29.0	22.0	58.0	116.0
2000	6.0	15.8	31.6	23.0	60.6	121.3
2000	6.5	17.1	34.3	24.0	63.3	126.6
2000	7.0	18.5	36.9	25.0	65.9	131.8
2000	7.5	19.8	39.5	26.0	68.5	137.1
2000	8.0	21.1	42.2	27.0	71.2	142.4
2000	8.5	22.4	44.8	28.0	73.8	147.6
2000	9.0	23.7	47.5	29.0	76.5	152.9
2000	9.5	25.0	50.1	30.0	79.1	158.2
2000	10.0	26.4	52.7	31.0	81.7	163.5
2000	10.5	27.7	55.4	32.0	84.4	168.7
2000	11.0	29.0	58.0	33.0	87.0	174.0
2000	11.5	30.3	60.6	34.0	89.6	179.3
2000	12.0	31.6	63.3	35.0	92.3	184.6
2000	12.5	33.0	65.9	36.0	94.9	189.8
2000	13.0	34.3	68.5	37.0	97.6	195.1
2000	13.5	35.6	71.2	38.0	100.2	200.4
2000	14.0	36.9	73.8	39.0	102.8	205.6

CAMERA FIELD OF VIEW OVERLAYS

Scope FL(mm)	Camera Detector Size (mm)	Rectangle Length/Width for Overlay Transparency =====		Camera Detector Size (mm)	Rectangle Length/Width for Overlay Transparency =====	
		20x Image (mm)	40x Images (mm)		20x Image (mm)	40x Images (mm)
2100	2.0	5.0	10.0	15.0	37.7	75.3
2100	2.5	6.3	12.6	16.0	40.2	80.4
2100	3.0	7.5	15.1	17.0	42.7	85.4
2100	3.5	8.8	17.6	18.0	45.2	90.4
2100	4.0	10.0	20.1	19.0	47.7	95.4
2100	4.5	11.3	22.6	20.0	50.2	100.4
2100	5.0	12.6	25.1	21.0	52.7	105.5
2100	5.5	13.8	27.6	22.0	55.2	110.5
2100	6.0	15.1	30.1	23.0	57.8	115.5
2100	6.5	16.3	32.6	24.0	60.3	120.5
2100	7.0	17.6	35.2	25.0	62.8	125.5
2100	7.5	18.8	37.7	26.0	65.3	130.6
2100	8.0	20.1	40.2	27.0	67.8	135.6
2100	8.5	21.3	42.7	28.0	70.3	140.6
2100	9.0	22.6	45.2	29.0	72.8	145.6
2100	9.5	23.9	47.7	30.0	75.3	150.7
2100	10.0	25.1	50.2	31.0	77.8	155.7
2100	10.5	26.4	52.7	32.0	80.4	160.7
2100	11.0	27.6	55.2	33.0	82.9	165.7
2100	11.5	28.9	57.8	34.0	85.4	170.7
2100	12.0	30.1	60.3	35.0	87.9	175.8
2100	12.5	31.4	62.8	36.0	90.4	180.8
2100	13.0	32.6	65.3	37.0	92.9	185.8
2100	13.5	33.9	67.8	38.0	95.4	190.8
2100	14.0	35.2	70.3	39.0	97.9	195.9

CAMERA FIELD OF VIEW OVERLAYS

Scope FL(mm)	Camera Detector Size (mm)	Rectangle Length/Width for Overlay Transparency =====		Camera Detector Size (mm)	Rectangle Length/Width for Overlay Transparency =====	
		20x Image (mm)	40x Images (mm)		20x Image (mm)	40x Images (mm)
2200	2.0	4.8	9.6	15.0	36.0	71.9
2200	2.5	6.0	12.0	16.0	38.3	76.7
2200	3.0	7.2	14.4	17.0	40.7	81.5
2200	3.5	8.4	16.8	18.0	43.1	86.3
2200	4.0	9.6	19.2	19.0	45.5	91.1
2200	4.5	10.8	21.6	20.0	47.9	95.9
2200	5.0	12.0	24.0	21.0	50.3	100.7
2200	5.5	13.2	26.4	22.0	52.7	105.5
2200	6.0	14.4	28.8	23.0	55.1	110.3
2200	6.5	15.6	31.2	24.0	57.5	115.0
2200	7.0	16.8	33.6	25.0	59.9	119.8
2200	7.5	18.0	36.0	26.0	62.3	124.6
2200	8.0	19.2	38.3	27.0	64.7	129.4
2200	8.5	20.4	40.7	28.0	67.1	134.2
2200	9.0	21.6	43.1	29.0	69.5	139.0
2200	9.5	22.8	45.5	30.0	71.9	143.8
2200	10.0	24.0	47.9	31.0	74.3	148.6
2200	10.5	25.2	50.3	32.0	76.7	153.4
2200	11.0	26.4	52.7	33.0	79.1	158.2
2200	11.5	27.6	55.1	34.0	81.5	163.0
2200	12.0	28.8	57.5	35.0	83.9	167.8
2200	12.5	30.0	59.9	36.0	86.3	172.6
2200	13.0	31.2	62.3	37.0	88.7	177.4
2200	13.5	32.4	64.7	38.0	91.1	182.2
2200	14.0	33.6	67.1	39.0	93.5	187.0

CAMERA FIELD OF VIEW OVERLAYS

Scope FL(mm)	Camera Detector Size (mm)	Rectangle Length/Width for Overlay Transparency =====		Camera Detector Size (mm)	Rectangle Length/Width for Overlay Transparency =====	
		20x Image (mm)	40x Images (mm)		20x Image (mm)	40x Images (mm)
2300	2.0	4.6	9.2	15.0	34.4	68.8
2300	2.5	5.7	11.5	16.0	36.7	73.4
2300	3.0	6.9	13.8	17.0	39.0	77.9
2300	3.5	8.0	16.0	18.0	41.3	82.5
2300	4.0	9.2	18.3	19.0	43.6	87.1
2300	4.5	10.3	20.6	20.0	45.9	91.7
2300	5.0	11.5	22.9	21.0	48.1	96.3
2300	5.5	12.6	25.2	22.0	50.4	100.9
2300	6.0	13.8	27.5	23.0	52.7	105.5
2300	6.5	14.9	29.8	24.0	55.0	110.0
2300	7.0	16.0	32.1	25.0	57.3	114.6
2300	7.5	17.2	34.4	26.0	59.6	119.2
2300	8.0	18.3	36.7	27.0	61.9	123.8
2300	8.5	19.5	39.0	28.0	64.2	128.4
2300	9.0	20.6	41.3	29.0	66.5	133.0
2300	9.5	21.8	43.6	30.0	68.8	137.6
2300	10.0	22.9	45.9	31.0	71.1	142.1
2300	10.5	24.1	48.1	32.0	73.4	146.7
2300	11.0	25.2	50.4	33.0	75.7	151.3
2300	11.5	26.4	52.7	34.0	77.9	155.9
2300	12.0	27.5	55.0	35.0	80.2	160.5
2300	12.5	28.7	57.3	36.0	82.5	165.1
2300	13.0	29.8	59.6	37.0	84.8	169.7
2300	13.5	31.0	61.9	38.0	87.1	174.2
2300	14.0	32.1	64.2	39.0	89.4	178.8

CAMERA FIELD OF VIEW OVERLAYS

Scope FL(mm)	Camera Detector Size (mm)	Rectangle Length/Width for Overlay Transparency =====		Camera Detector Size (mm)	Rectangle Length/Width for Overlay Transparency =====	
		20x Image (mm)	40x Images (mm)		20x Image (mm)	40x Images (mm)
2400	2.0	4.4	8.8	15.0	33.0	65.9
2400	2.5	5.5	11.0	16.0	35.2	70.3
2400	3.0	6.6	13.2	17.0	37.4	74.7
2400	3.5	7.7	15.4	18.0	39.5	79.1
2400	4.0	8.8	17.6	19.0	41.7	83.5
2400	4.5	9.9	19.8	20.0	43.9	87.9
2400	5.0	11.0	22.0	21.0	46.1	92.3
2400	5.5	12.1	24.2	22.0	48.3	96.7
2400	6.0	13.2	26.4	23.0	50.5	101.1
2400	6.5	14.3	28.6	24.0	52.7	105.5
2400	7.0	15.4	30.8	25.0	54.9	109.9
2400	7.5	16.5	33.0	26.0	57.1	114.2
2400	8.0	17.6	35.2	27.0	59.3	118.6
2400	8.5	18.7	37.4	28.0	61.5	123.0
2400	9.0	19.8	39.5	29.0	63.7	127.4
2400	9.5	20.9	41.7	30.0	65.9	131.8
2400	10.0	22.0	43.9	31.0	68.1	136.2
2400	10.5	23.1	46.1	32.0	70.3	140.6
2400	11.0	24.2	48.3	33.0	72.5	145.0
2400	11.5	25.3	50.5	34.0	74.7	149.4
2400	12.0	26.4	52.7	35.0	76.9	153.8
2400	12.5	27.5	54.9	36.0	79.1	158.2
2400	13.0	28.6	57.1	37.0	81.3	162.6
2400	13.5	29.7	59.3	38.0	83.5	167.0
2400	14.0	30.8	61.5	39.0	85.7	171.4

CAMERA FIELD OF VIEW OVERLAYS

Scope FL(mm)	Camera Detector Size (mm)	Rectangle Length/Width for Overlay Transparency =====		Camera Detector Size (mm)	Rectangle Length/Width for Overlay Transparency =====	
		20x Image (mm)	40x Images (mm)		20x Image (mm)	40x Images (mm)
2500	2.0	4.2	8.4	15.0	31.6	63.3
2500	2.5	5.3	10.5	16.0	33.7	67.5
2500	3.0	6.3	12.7	17.0	35.9	71.7
2500	3.5	7.4	14.8	18.0	38.0	75.9
2500	4.0	8.4	16.9	19.0	40.1	80.1
2500	4.5	9.5	19.0	20.0	42.2	84.4
2500	5.0	10.5	21.1	21.0	44.3	88.6
2500	5.5	11.6	23.2	22.0	46.4	92.8
2500	6.0	12.7	25.3	23.0	48.5	97.0
2500	6.5	13.7	27.4	24.0	50.6	101.2
2500	7.0	14.8	29.5	25.0	52.7	105.5
2500	7.5	15.8	31.6	26.0	54.8	109.7
2500	8.0	16.9	33.7	27.0	56.9	113.9
2500	8.5	17.9	35.9	28.0	59.1	118.1
2500	9.0	19.0	38.0	29.0	61.2	122.3
2500	9.5	20.0	40.1	30.0	63.3	126.6
2500	10.0	21.1	42.2	31.0	65.4	130.8
2500	10.5	22.1	44.3	32.0	67.5	135.0
2500	11.0	23.2	46.4	33.0	69.6	139.2
2500	11.5	24.3	48.5	34.0	71.7	143.4
2500	12.0	25.3	50.6	35.0	73.8	147.6
2500	12.5	26.4	52.7	36.0	75.9	151.9
2500	13.0	27.4	54.8	37.0	78.0	156.1
2500	13.5	28.5	56.9	38.0	80.1	160.3
2500	14.0	29.5	59.1	39.0	82.3	164.5

CAMERA FIELD OF VIEW OVERLAYS

Scope FL(mm)	Camera Detector Size (mm)	Rectangle Length/Width for Overlay Transparency =====		Camera Detector Size (mm)	Rectangle Length/Width for Overlay Transparency =====	
		20x Image (mm)	40x Images (mm)		20x Image (mm)	40x Images (mm)
2600	2.0	4.1	8.1	15.0	30.4	60.8
2600	2.5	5.1	10.1	16.0	32.4	64.9
2600	3.0	6.1	12.2	17.0	34.5	69.0
2600	3.5	7.1	14.2	18.0	36.5	73.0
2600	4.0	8.1	16.2	19.0	38.5	77.1
2600	4.5	9.1	18.3	20.0	40.6	81.1
2600	5.0	10.1	20.3	21.0	42.6	85.2
2600	5.5	11.2	22.3	22.0	44.6	89.2
2600	6.0	12.2	24.3	23.0	46.6	93.3
2600	6.5	13.2	26.4	24.0	48.7	97.3
2600	7.0	14.2	28.4	25.0	50.7	101.4
2600	7.5	15.2	30.4	26.0	52.7	105.5
2600	8.0	16.2	32.4	27.0	54.8	109.5
2600	8.5	17.2	34.5	28.0	56.8	113.6
2600	9.0	18.3	36.5	29.0	58.8	117.6
2600	9.5	19.3	38.5	30.0	60.8	121.7
2600	10.0	20.3	40.6	31.0	62.9	125.7
2600	10.5	21.3	42.6	32.0	64.9	129.8
2600	11.0	22.3	44.6	33.0	66.9	133.9
2600	11.5	23.3	46.6	34.0	69.0	137.9
2600	12.0	24.3	48.7	35.0	71.0	142.0
2600	12.5	25.4	50.7	36.0	73.0	146.0
2600	13.0	26.4	52.7	37.0	75.0	150.1
2600	13.5	27.4	54.8	38.0	77.1	154.1
2600	14.0	28.4	56.8	39.0	79.1	158.2

CAMERA FIELD OF VIEW OVERLAYS

Scope FL(mm)	Camera Detector Size (mm)	Rectangle Length/Width for Overlay Transparency =====		Camera Detector Size (mm)	Rectangle Length/Width for Overlay Transparency =====	
		20x Image (mm)	40x Images (mm)		20x Image (mm)	40x Images (mm)
2700	2.0	3.9	7.8	15.0	29.3	58.6
2700	2.5	4.9	9.8	16.0	31.2	62.5
2700	3.0	5.9	11.7	17.0	33.2	66.4
2700	3.5	6.8	13.7	18.0	35.2	70.3
2700	4.0	7.8	15.6	19.0	37.1	74.2
2700	4.5	8.8	17.6	20.0	39.1	78.1
2700	5.0	9.8	19.5	21.0	41.0	82.0
2700	5.5	10.7	21.5	22.0	43.0	85.9
2700	6.0	11.7	23.4	23.0	44.9	89.8
2700	6.5	12.7	25.4	24.0	46.9	93.7
2700	7.0	13.7	27.3	25.0	48.8	97.6
2700	7.5	14.6	29.3	26.0	50.8	101.6
2700	8.0	15.6	31.2	27.0	52.7	105.5
2700	8.5	16.6	33.2	28.0	54.7	109.4
2700	9.0	17.6	35.2	29.0	56.6	113.3
2700	9.5	18.6	37.1	30.0	58.6	117.2
2700	10.0	19.5	39.1	31.0	60.5	121.1
2700	10.5	20.5	41.0	32.0	62.5	125.0
2700	11.0	21.5	43.0	33.0	64.4	128.9
2700	11.5	22.5	44.9	34.0	66.4	132.8
2700	12.0	23.4	46.9	35.0	68.4	136.7
2700	12.5	24.4	48.8	36.0	70.3	140.6
2700	13.0	25.4	50.8	37.0	72.3	144.5
2700	13.5	26.4	52.7	38.0	74.2	148.4
2700	14.0	27.3	54.7	39.0	76.2	152.3

CAMERA FIELD OF VIEW OVERLAYS

Scope FL(mm)	Camera Detector Size (mm)	Rectangle Length/Width for Overlay Transparency =====		Camera Detector Size (mm)	Rectangle Length/Width for Overlay Transparency =====	
		20x Image (mm)	40x Images (mm)		20x Image (mm)	40x Images (mm)
2800	2.0	3.8	7.5	15.0	28.2	56.5
2800	2.5	4.7	9.4	16.0	30.1	60.3
2800	3.0	5.6	11.3	17.0	32.0	64.0
2800	3.5	6.6	13.2	18.0	33.9	67.8
2800	4.0	7.5	15.1	19.0	35.8	71.6
2800	4.5	8.5	16.9	20.0	37.7	75.3
2800	5.0	9.4	18.8	21.0	39.5	79.1
2800	5.5	10.4	20.7	22.0	41.4	82.9
2800	6.0	11.3	22.6	23.0	43.3	86.6
2800	6.5	12.2	24.5	24.0	45.2	90.4
2800	7.0	13.2	26.4	25.0	47.1	94.2
2800	7.5	14.1	28.2	26.0	49.0	97.9
2800	8.0	15.1	30.1	27.0	50.8	101.7
2800	8.5	16.0	32.0	28.0	52.7	105.5
2800	9.0	16.9	33.9	29.0	54.6	109.2
2800	9.5	17.9	35.8	30.0	56.5	113.0
2800	10.0	18.8	37.7	31.0	58.4	116.8
2800	10.5	19.8	39.5	32.0	60.3	120.5
2800	11.0	20.7	41.4	33.0	62.1	124.3
2800	11.5	21.7	43.3	34.0	64.0	128.1
2800	12.0	22.6	45.2	35.0	65.9	131.8
2800	12.5	23.5	47.1	36.0	67.8	135.6
2800	13.0	24.5	49.0	37.0	69.7	139.4
2800	13.5	25.4	50.8	38.0	71.6	143.1
2800	14.0	26.4	52.7	39.0	73.4	146.9

CAMERA FIELD OF VIEW OVERLAYS

Scope FL(mm)	Camera Detector Size (mm)	Rectangle Length/Width for Overlay Transparency =====		Camera Detector Size (mm)	Rectangle Length/Width for Overlay Transparency =====	
		20x Image (mm)	40x Images (mm)		20x Image (mm)	40x Images (mm)
2900	2.0	3.6	7.3	15.0	27.3	54.5
2900	2.5	4.5	9.1	16.0	29.1	58.2
2900	3.0	5.5	10.9	17.0	30.9	61.8
2900	3.5	6.4	12.7	18.0	32.7	65.5
2900	4.0	7.3	14.5	19.0	34.5	69.1
2900	4.5	8.2	16.4	20.0	36.4	72.7
2900	5.0	9.1	18.2	21.0	38.2	76.4
2900	5.5	10.0	20.0	22.0	40.0	80.0
2900	6.0	10.9	21.8	23.0	41.8	83.6
2900	6.5	11.8	23.6	24.0	43.6	87.3
2900	7.0	12.7	25.5	25.0	45.5	90.9
2900	7.5	13.6	27.3	26.0	47.3	94.6
2900	8.0	14.5	29.1	27.0	49.1	98.2
2900	8.5	15.5	30.9	28.0	50.9	101.8
2900	9.0	16.4	32.7	29.0	52.7	105.5
2900	9.5	17.3	34.5	30.0	54.5	109.1
2900	10.0	18.2	36.4	31.0	56.4	112.7
2900	10.5	19.1	38.2	32.0	58.2	116.4
2900	11.0	20.0	40.0	33.0	60.0	120.0
2900	11.5	20.9	41.8	34.0	61.8	123.6
2900	12.0	21.8	43.6	35.0	63.6	127.3
2900	12.5	22.7	45.5	36.0	65.5	130.9
2900	13.0	23.6	47.3	37.0	67.3	134.6
2900	13.5	24.5	49.1	38.0	69.1	138.2
2900	14.0	25.5	50.9	39.0	70.9	141.8

CAMERA FIELD OF VIEW OVERLAYS

Scope FL(mm)	Camera Detector Size (mm)	Rectangle Length/Width for Overlay Transparency =====		Camera Detector Size (mm)	Rectangle Length/Width for Overlay Transparency =====	
		20x Image (mm)	40x Images (mm)		20x Image (mm)	40x Images (mm)
3000	2.0	3.5	7.0	15.0	26.4	52.7
3000	2.5	4.4	8.8	16.0	28.1	56.2
3000	3.0	5.3	10.5	17.0	29.9	59.8
3000	3.5	6.2	12.3	18.0	31.6	63.3
3000	4.0	7.0	14.1	19.0	33.4	66.8
3000	4.5	7.9	15.8	20.0	35.2	70.3
3000	5.0	8.8	17.6	21.0	36.9	73.8
3000	5.5	9.7	19.3	22.0	38.7	77.3
3000	6.0	10.5	21.1	23.0	40.4	80.9
3000	6.5	11.4	22.8	24.0	42.2	84.4
3000	7.0	12.3	24.6	25.0	43.9	87.9
3000	7.5	13.2	26.4	26.0	45.7	91.4
3000	8.0	14.1	28.1	27.0	47.5	94.9
3000	8.5	14.9	29.9	28.0	49.2	98.4
3000	9.0	15.8	31.6	29.0	51.0	101.9
3000	9.5	16.7	33.4	30.0	52.7	105.5
3000	10.0	17.6	35.2	31.0	54.5	109.0
3000	10.5	18.5	36.9	32.0	56.2	112.5
3000	11.0	19.3	38.7	33.0	58.0	116.0
3000	11.5	20.2	40.4	34.0	59.8	119.5
3000	12.0	21.1	42.2	35.0	61.5	123.0
3000	12.5	22.0	43.9	36.0	63.3	126.6
3000	13.0	22.8	45.7	37.0	65.0	130.1
3000	13.5	23.7	47.5	38.0	66.8	133.6
3000	14.0	24.6	49.2	39.0	68.5	137.1

CAMERA FIELD OF VIEW OVERLAYS

Scope FL(mm)	Camera Detector Size (mm)	Rectangle Length/Width for Overlay Transparency =====		Camera Detector Size (mm)	Rectangle Length/Width for Overlay Transparency =====	
		20x Image (mm)	40x Images (mm)		20x Image (mm)	40x Images (mm)
3100	2.0	3.4	6.8	15.0	25.5	51.0
3100	2.5	4.3	8.5	16.0	27.2	54.4
3100	3.0	5.1	10.2	17.0	28.9	57.8
3100	3.5	6.0	11.9	18.0	30.6	61.2
3100	4.0	6.8	13.6	19.0	32.3	64.6
3100	4.5	7.7	15.3	20.0	34.0	68.0
3100	5.0	8.5	17.0	21.0	35.7	71.4
3100	5.5	9.4	18.7	22.0	37.4	74.8
3100	6.0	10.2	20.4	23.0	39.1	78.2
3100	6.5	11.1	22.1	24.0	40.8	81.6
3100	7.0	11.9	23.8	25.0	42.5	85.0
3100	7.5	12.8	25.5	26.0	44.2	88.5
3100	8.0	13.6	27.2	27.0	45.9	91.9
3100	8.5	14.5	28.9	28.0	47.6	95.3
3100	9.0	15.3	30.6	29.0	49.3	98.7
3100	9.5	16.2	32.3	30.0	51.0	102.1
3100	10.0	17.0	34.0	31.0	52.7	105.5
3100	10.5	17.9	35.7	32.0	54.4	108.9
3100	11.0	18.7	37.4	33.0	56.1	112.3
3100	11.5	19.6	39.1	34.0	57.8	115.7
3100	12.0	20.4	40.8	35.0	59.5	119.1
3100	12.5	21.3	42.5	36.0	61.2	122.5
3100	13.0	22.1	44.2	37.0	62.9	125.9
3100	13.5	23.0	45.9	38.0	64.6	129.3
3100	14.0	23.8	47.6	39.0	66.3	132.7

CAMERA FIELD OF VIEW OVERLAYS

Scope FL(mm)	Camera Detector Size (mm)	Rectangle Length/Width for Overlay Transparency =====		Camera Detector Size (mm)	Rectangle Length/Width for Overlay Transparency =====	
		20x Image (mm)	40x Images (mm)		20x Image (mm)	40x Images (mm)
3200	2.0	3.3	6.6	15.0	24.7	49.4
3200	2.5	4.1	8.2	16.0	26.4	52.7
3200	3.0	4.9	9.9	17.0	28.0	56.0
3200	3.5	5.8	11.5	18.0	29.7	59.3
3200	4.0	6.6	13.2	19.0	31.3	62.6
3200	4.5	7.4	14.8	20.0	33.0	65.9
3200	5.0	8.2	16.5	21.0	34.6	69.2
3200	5.5	9.1	18.1	22.0	36.3	72.5
3200	6.0	9.9	19.8	23.0	37.9	75.8
3200	6.5	10.7	21.4	24.0	39.5	79.1
3200	7.0	11.5	23.1	25.0	41.2	82.4
3200	7.5	12.4	24.7	26.0	42.8	85.7
3200	8.0	13.2	26.4	27.0	44.5	89.0
3200	8.5	14.0	28.0	28.0	46.1	92.3
3200	9.0	14.8	29.7	29.0	47.8	95.6
3200	9.5	15.7	31.3	30.0	49.4	98.9
3200	10.0	16.5	33.0	31.0	51.1	102.2
3200	10.5	17.3	34.6	32.0	52.7	105.5
3200	11.0	18.1	36.3	33.0	54.4	108.8
3200	11.5	18.9	37.9	34.0	56.0	112.1
3200	12.0	19.8	39.5	35.0	57.7	115.3
3200	12.5	20.6	41.2	36.0	59.3	118.6
3200	13.0	21.4	42.8	37.0	61.0	121.9
3200	13.5	22.2	44.5	38.0	62.6	125.2
3200	14.0	23.1	46.1	39.0	64.3	128.5

CAMERA FIELD OF VIEW OVERLAYS

Scope FL(mm)	Camera Detector Size (mm)	Rectangle Length/Width for Overlay Transparency =====		Camera Detector Size (mm)	Rectangle Length/Width for Overlay Transparency =====	
		20x Image (mm)	40x Images (mm)		20x Image (mm)	40x Images (mm)
3300	2.0	3.2	6.4	15.0	24.0	47.9
3300	2.5	4.0	8.0	16.0	25.6	51.1
3300	3.0	4.8	9.6	17.0	27.2	54.3
3300	3.5	5.6	11.2	18.0	28.8	57.5
3300	4.0	6.4	12.8	19.0	30.4	60.7
3300	4.5	7.2	14.4	20.0	32.0	63.9
3300	5.0	8.0	16.0	21.0	33.6	67.1
3300	5.5	8.8	17.6	22.0	35.2	70.3
3300	6.0	9.6	19.2	23.0	36.8	73.5
3300	6.5	10.4	20.8	24.0	38.3	76.7
3300	7.0	11.2	22.4	25.0	39.9	79.9
3300	7.5	12.0	24.0	26.0	41.5	83.1
3300	8.0	12.8	25.6	27.0	43.1	86.3
3300	8.5	13.6	27.2	28.0	44.7	89.5
3300	9.0	14.4	28.8	29.0	46.3	92.7
3300	9.5	15.2	30.4	30.0	47.9	95.9
3300	10.0	16.0	32.0	31.0	49.5	99.1
3300	10.5	16.8	33.6	32.0	51.1	102.3
3300	11.0	17.6	35.2	33.0	52.7	105.5
3300	11.5	18.4	36.8	34.0	54.3	108.7
3300	12.0	19.2	38.3	35.0	55.9	111.9
3300	12.5	20.0	39.9	36.0	57.5	115.0
3300	13.0	20.8	41.5	37.0	59.1	118.2
3300	13.5	21.6	43.1	38.0	60.7	121.4
3300	14.0	22.4	44.7	39.0	62.3	124.6

CAMERA FIELD OF VIEW OVERLAYS

Scope FL(mm)	Camera Detector Size (mm)	Rectangle Length/Width for Overlay Transparency =====		Camera Detector Size (mm)	Rectangle Length/Width for Overlay Transparency =====	
		20x Image (mm)	40x Images (mm)		20x Image (mm)	40x Images (mm)
3400	2.0	3.1	6.2	15.0	23.3	46.5
3400	2.5	3.9	7.8	16.0	24.8	49.6
3400	3.0	4.7	9.3	17.0	26.4	52.7
3400	3.5	5.4	10.9	18.0	27.9	55.8
3400	4.0	6.2	12.4	19.0	29.5	58.9
3400	4.5	7.0	14.0	20.0	31.0	62.0
3400	5.0	7.8	15.5	21.0	32.6	65.1
3400	5.5	8.5	17.1	22.0	34.1	68.2
3400	6.0	9.3	18.6	23.0	35.7	71.3
3400	6.5	10.1	20.2	24.0	37.2	74.4
3400	7.0	10.9	21.7	25.0	38.8	77.5
3400	7.5	11.6	23.3	26.0	40.3	80.6
3400	8.0	12.4	24.8	27.0	41.9	83.7
3400	8.5	13.2	26.4	28.0	43.4	86.8
3400	9.0	14.0	27.9	29.0	45.0	90.0
3400	9.5	14.7	29.5	30.0	46.5	93.1
3400	10.0	15.5	31.0	31.0	48.1	96.2
3400	10.5	16.3	32.6	32.0	49.6	99.3
3400	11.0	17.1	34.1	33.0	51.2	102.4
3400	11.5	17.8	35.7	34.0	52.7	105.5
3400	12.0	18.6	37.2	35.0	54.3	108.6
3400	12.5	19.4	38.8	36.0	55.8	111.7
3400	13.0	20.2	40.3	37.0	57.4	114.8
3400	13.5	20.9	41.9	38.0	58.9	117.9
3400	14.0	21.7	43.4	39.0	60.5	121.0

CAMERA FIELD OF VIEW OVERLAYS

Scope FL (mm)	Camera Detector Size (mm)	Rectangle Length/Width for Overlay Transparency =====		Camera Detector Size (mm)	Rectangle Length/Width for Overlay Transparency =====	
		20x Image (mm)	40x Images (mm)		20x Image (mm)	40x Images (mm)
3500	2.0	3.0	6.0	15.0	22.6	45.2
3500	2.5	3.8	7.5	16.0	24.1	48.2
3500	3.0	4.5	9.0	17.0	25.6	51.2
3500	3.5	5.3	10.5	18.0	27.1	54.2
3500	4.0	6.0	12.1	19.0	28.6	57.2
3500	4.5	6.8	13.6	20.0	30.1	60.3
3500	5.0	7.5	15.1	21.0	31.6	63.3
3500	5.5	8.3	16.6	22.0	33.1	66.3
3500	6.0	9.0	18.1	23.0	34.7	69.3
3500	6.5	9.8	19.6	24.0	36.2	72.3
3500	7.0	10.5	21.1	25.0	37.7	75.3
3500	7.5	11.3	22.6	26.0	39.2	78.3
3500	8.0	12.1	24.1	27.0	40.7	81.4
3500	8.5	12.8	25.6	28.0	42.2	84.4
3500	9.0	13.6	27.1	29.0	43.7	87.4
3500	9.5	14.3	28.6	30.0	45.2	90.4
3500	10.0	15.1	30.1	31.0	46.7	93.4
3500	10.5	15.8	31.6	32.0	48.2	96.4
3500	11.0	16.6	33.1	33.0	49.7	99.4
3500	11.5	17.3	34.7	34.0	51.2	102.4
3500	12.0	18.1	36.2	35.0	52.7	105.5
3500	12.5	18.8	37.7	36.0	54.2	108.5
3500	13.0	19.6	39.2	37.0	55.7	111.5
3500	13.5	20.3	40.7	38.0	57.2	114.5
3500	14.0	21.1	42.2	39.0	58.8	117.5

CAMERA FIELD OF VIEW OVERLAYS

Scope FL (mm)	Camera Detector Size (mm)	Rectangle Length/Width for Overlay Transparency =====		Camera Detector Size (mm)	Rectangle Length/Width for Overlay Transparency =====	
		20x Image (mm)	40x Images (mm)		20x Image (mm)	40x Images (mm)
3600	2.0	2.9	5.9	15.0	22.0	43.9
3600	2.5	3.7	7.3	16.0	23.4	46.9
3600	3.0	4.4	8.8	17.0	24.9	49.8
3600	3.5	5.1	10.3	18.0	26.4	52.7
3600	4.0	5.9	11.7	19.0	27.8	55.7
3600	4.5	6.6	13.2	20.0	29.3	58.6
3600	5.0	7.3	14.6	21.0	30.8	61.5
3600	5.5	8.1	16.1	22.0	32.2	64.4
3600	6.0	8.8	17.6	23.0	33.7	67.4
3600	6.5	9.5	19.0	24.0	35.2	70.3
3600	7.0	10.3	20.5	25.0	36.6	73.2
3600	7.5	11.0	22.0	26.0	38.1	76.2
3600	8.0	11.7	23.4	27.0	39.5	79.1
3600	8.5	12.5	24.9	28.0	41.0	82.0
3600	9.0	13.2	26.4	29.0	42.5	85.0
3600	9.5	13.9	27.8	30.0	43.9	87.9
3600	10.0	14.6	29.3	31.0	45.4	90.8
3600	10.5	15.4	30.8	32.0	46.9	93.7
3600	11.0	16.1	32.2	33.0	48.3	96.7
3600	11.5	16.8	33.7	34.0	49.8	99.6
3600	12.0	17.6	35.2	35.0	51.3	102.5
3600	12.5	18.3	36.6	36.0	52.7	105.5
3600	13.0	19.0	38.1	37.0	54.2	108.4
3600	13.5	19.8	39.5	38.0	55.7	111.3
3600	14.0	20.5	41.0	39.0	57.1	114.2

CAMERA FIELD OF VIEW OVERLAYS

Scope FL(mm)	Camera Detector Size (mm)	Rectangle Length/Width for Overlay Transparency =====		Camera Detector Size (mm)	Rectangle Length/Width for Overlay Transparency =====	
		20x Image (mm)	40x Images (mm)		20x Image (mm)	40x Images (mm)
3700	2.0	2.9	5.7	15.0	21.4	42.8
3700	2.5	3.6	7.1	16.0	22.8	45.6
3700	3.0	4.3	8.6	17.0	24.2	48.5
3700	3.5	5.0	10.0	18.0	25.7	51.3
3700	4.0	5.7	11.4	19.0	27.1	54.2
3700	4.5	6.4	12.8	20.0	28.5	57.0
3700	5.0	7.1	14.3	21.0	29.9	59.9
3700	5.5	7.8	15.7	22.0	31.4	62.7
3700	6.0	8.6	17.1	23.0	32.8	65.6
3700	6.5	9.3	18.5	24.0	34.2	68.4
3700	7.0	10.0	20.0	25.0	35.6	71.3
3700	7.5	10.7	21.4	26.0	37.1	74.1
3700	8.0	11.4	22.8	27.0	38.5	77.0
3700	8.5	12.1	24.2	28.0	39.9	79.8
3700	9.0	12.8	25.7	29.0	41.3	82.7
3700	9.5	13.5	27.1	30.0	42.8	85.5
3700	10.0	14.3	28.5	31.0	44.2	88.4
3700	10.5	15.0	29.9	32.0	45.6	91.2
3700	11.0	15.7	31.4	33.0	47.0	94.1
3700	11.5	16.4	32.8	34.0	48.5	96.9
3700	12.0	17.1	34.2	35.0	49.9	99.8
3700	12.5	17.8	35.6	36.0	51.3	102.6
3700	13.0	18.5	37.1	37.0	52.7	105.5
3700	13.5	19.2	38.5	38.0	54.2	108.3
3700	14.0	20.0	39.9	39.0	55.6	111.2

CAMERA FIELD OF VIEW OVERLAYS

Scope FL(mm)	Camera Detector Size (mm)	Rectangle Length/Width for Overlay Transparency =====		Camera Detector Size (mm)	Rectangle Length/Width for Overlay Transparency =====	
		20x Image (mm)	40x Images (mm)		20x Image (mm)	40x Images (mm)
3800	2.0	2.8	5.6	15.0	20.8	41.6
3800	2.5	3.5	6.9	16.0	22.2	44.4
3800	3.0	4.2	8.3	17.0	23.6	47.2
3800	3.5	4.9	9.7	18.0	25.0	50.0
3800	4.0	5.6	11.1	19.0	26.4	52.7
3800	4.5	6.2	12.5	20.0	27.8	55.5
3800	5.0	6.9	13.9	21.0	29.1	58.3
3800	5.5	7.6	15.3	22.0	30.5	61.1
3800	6.0	8.3	16.7	23.0	31.9	63.8
3800	6.5	9.0	18.0	24.0	33.3	66.6
3800	7.0	9.7	19.4	25.0	34.7	69.4
3800	7.5	10.4	20.8	26.0	36.1	72.2
3800	8.0	11.1	22.2	27.0	37.5	74.9
3800	8.5	11.8	23.6	28.0	38.9	77.7
3800	9.0	12.5	25.0	29.0	40.2	80.5
3800	9.5	13.2	26.4	30.0	41.6	83.3
3800	10.0	13.9	27.8	31.0	43.0	86.0
3800	10.5	14.6	29.1	32.0	44.4	88.8
3800	11.0	15.3	30.5	33.0	45.8	91.6
3800	11.5	16.0	31.9	34.0	47.2	94.4
3800	12.0	16.7	33.3	35.0	48.6	97.1
3800	12.5	17.3	34.7	36.0	50.0	99.9
3800	13.0	18.0	36.1	37.0	51.3	102.7
3800	13.5	18.7	37.5	38.0	52.7	105.5
3800	14.0	19.4	38.9	39.0	54.1	108.2

CAMERA FIELD OF VIEW OVERLAYS

Scope FL(mm)	Camera Detector Size (mm)	Rectangle Length/Width for Overlay Transparency =====		Camera Detector Size (mm)	Rectangle Length/Width for Overlay Transparency =====	
		20x Image (mm)	40x Images (mm)		20x Image (mm)	40x Images (mm)
3900	2.0	2.7	5.4	15.0	20.3	40.6
3900	2.5	3.4	6.8	16.0	21.6	43.3
3900	3.0	4.1	8.1	17.0	23.0	46.0
3900	3.5	4.7	9.5	18.0	24.3	48.7
3900	4.0	5.4	10.8	19.0	25.7	51.4
3900	4.5	6.1	12.2	20.0	27.0	54.1
3900	5.0	6.8	13.5	21.0	28.4	56.8
3900	5.5	7.4	14.9	22.0	29.7	59.5
3900	6.0	8.1	16.2	23.0	31.1	62.2
3900	6.5	8.8	17.6	24.0	32.4	64.9
3900	7.0	9.5	18.9	25.0	33.8	67.6
3900	7.5	10.1	20.3	26.0	35.2	70.3
3900	8.0	10.8	21.6	27.0	36.5	73.0
3900	8.5	11.5	23.0	28.0	37.9	75.7
3900	9.0	12.2	24.3	29.0	39.2	78.4
3900	9.5	12.8	25.7	30.0	40.6	81.1
3900	10.0	13.5	27.0	31.0	41.9	83.8
3900	10.5	14.2	28.4	32.0	43.3	86.5
3900	11.0	14.9	29.7	33.0	44.6	89.2
3900	11.5	15.5	31.1	34.0	46.0	91.9
3900	12.0	16.2	32.4	35.0	47.3	94.6
3900	12.5	16.9	33.8	36.0	48.7	97.3
3900	13.0	17.6	35.2	37.0	50.0	100.1
3900	13.5	18.3	36.5	38.0	51.4	102.8
3900	14.0	18.9	37.9	39.0	52.7	105.5

CAMERA FIELD OF VIEW OVERLAYS

Scope FL(mm)	Camera Detector Size (mm)	Rectangle Length/Width for Overlay Transparency =====		Camera Detector Size (mm)	Rectangle Length/Width for Overlay Transparency =====	
		20x Image (mm)	40x Images (mm)		20x Image (mm)	40x Images (mm)
4000	2.0	2.6	5.3	15.0	19.8	39.5
4000	2.5	3.3	6.6	16.0	21.1	42.2
4000	3.0	4.0	7.9	17.0	22.4	44.8
4000	3.5	4.6	9.2	18.0	23.7	47.5
4000	4.0	5.3	10.5	19.0	25.0	50.1
4000	4.5	5.9	11.9	20.0	26.4	52.7
4000	5.0	6.6	13.2	21.0	27.7	55.4
4000	5.5	7.3	14.5	22.0	29.0	58.0
4000	6.0	7.9	15.8	23.0	30.3	60.6
4000	6.5	8.6	17.1	24.0	31.6	63.3
4000	7.0	9.2	18.5	25.0	33.0	65.9
4000	7.5	9.9	19.8	26.0	34.3	68.5
4000	8.0	10.5	21.1	27.0	35.6	71.2
4000	8.5	11.2	22.4	28.0	36.9	73.8
4000	9.0	11.9	23.7	29.0	38.2	76.5
4000	9.5	12.5	25.0	30.0	39.5	79.1
4000	10.0	13.2	26.4	31.0	40.9	81.7
4000	10.5	13.8	27.7	32.0	42.2	84.4
4000	11.0	14.5	29.0	33.0	43.5	87.0
4000	11.5	15.2	30.3	34.0	44.8	89.6
4000	12.0	15.8	31.6	35.0	46.1	92.3
4000	12.5	16.5	33.0	36.0	47.5	94.9
4000	13.0	17.1	34.3	37.0	48.8	97.6
4000	13.5	17.8	35.6	38.0	50.1	100.2
4000	14.0	18.5	36.9	39.0	51.4	102.8