

## Compix Model 222 Lens Performance Data

12/22/2009

Page 1

	Inches				cm			
	DISTANCE to subject	Field of View		Pixel size	DISTANCE to subject	Field of View		Pixel size
		Horz	Vert			Horz	Vert	
<b>Compix 222</b>								
11 Deg HFOV Lens	72	13.9	10.4	0.0867	182.9	35.2	26.4	0.220
8 Deg VFOV	120	23.1	17.3	0.1444	304.8	58.7	44.0	0.367
160 Vertical pixels	240	46.2	34.7	0.2889	609.6	117.4	88.0	0.734
120 Horizontal pixels	480	92.4	69.3	0.5777	1219.2	234.8	176.1	1.467

	Inches				cm			
	DISTANCE to subject	Field of View		Pixel size	DISTANCE to subject	Field of View		Pixel size
		Horz	Vert			Horz	Vert	
<b>Compix 222</b>								
17 Deg HFOV Lens	60	17.9	13.5	0.1121	152.4	45.6	34.2	0.285
12 Deg VFOV	72	21.5	16.1	0.1345	182.9	54.7	41.0	0.342
160 Vertical pixels	120	35.9	26.9	0.2242	304.8	91.1	68.3	0.569
120 Horizontal pixels	240	71.7	53.8	0.4484	609.6	182.2	136.7	1.139
	480	143.5	107.6	0.8967	1219.2	364.4	273.3	2.278

	Inches				cm			
	DISTANCE to subject	Field of View		Pixel size	DISTANCE to subject	Field of View		Pixel size
		Horz	Vert			Horz	Vert	
<b>Compix 222</b>								
25 Deg HFOV Lens	1.5	0.7	0.5	0.0042	3.8	1.7	1.3	0.011
18 Deg VFOV	2	0.9	0.7	0.0055	5.1	2.3	1.7	0.014
160 Vertical pixels	** 6.5	2.9	2.2	0.0180	16.5	7.3	5.5	0.046
120 Horizontal pixels	10	4.43	3.3	0.0277	25.4	11.3	8.4	0.070
	12	5.32	4.0	0.0333	30.5	13.5	10.1	0.084
	20	8.9	6.7	0.0554	50.8	22.5	16.9	0.141
	24	10.6	8.0	0.0665	61.0	27.0	20.3	0.169
**Std Config Minimum:	72	31.9	23.9	0.1995	182.9	81.1	60.8	0.507

## Compix Model 320 Lens Performance Data

12/22/2009

Page 2

**Compix 222**  
**32** Deg HFOV Lens  
 24 Deg VFOV  
 160 Vertical pixels  
 120 Horizontal pixels

Inches			
DISTANCE to subject	Field of View		Pixel size
	Horz	Vert	
1.5	0.9	0.6	0.0054
2	1.1	0.9	0.0072
6	3.4	2.6	0.0215
10	5.7	4.3	0.0358
20	11.5	8.6	0.0717
24	13.8	10.3	0.0860
72	41.3	31.0	0.2581

cm			
DISTANCE to subject	Field of View		Pixel size
	Horz	Vert	
3.8	2.2	1.6	0.014
5.1	2.9	2.2	0.018
15.2	8.7	6.6	0.055
25.4	14.6	10.9	0.091
50.8	29.1	21.8	0.182
61.0	35.0	26.2	0.218
182.9	104.9	78.7	0.655

**Compix 222**  
**50** Deg HFOV Lens  
 37 Deg VFOV  
 160 Vertical pixels  
 120 Horizontal pixels

Inches			
DISTANCE to subject	Field of View		Pixel size
	Horz	Vert	
1.5	1.4	1.0	0.0087
2	1.9	1.4	0.0117
6	5.6	4.2	0.0350
10	9.3	7.0	0.0583
20	18.7	14.0	0.1166
24	22.4	16.8	0.1399
72	67.1	50.4	0.4197

cm			
DISTANCE to subject	Field of View		Pixel size
	Horz	Vert	
3.8	3.6	2.7	0.022
5.1	4.7	3.6	0.030
15.2	14.2	10.7	0.089
25.4	23.7	17.8	0.148
50.8	47.4	35.5	0.296
61.0	56.9	42.6	0.355
182.9	170.6	127.9	1.066