

Depth Accuracy for Focus Robotics nDepth Stereo Vision Processor

Lens Focal Length (mm)	3.0
Baseline in meters	0.060

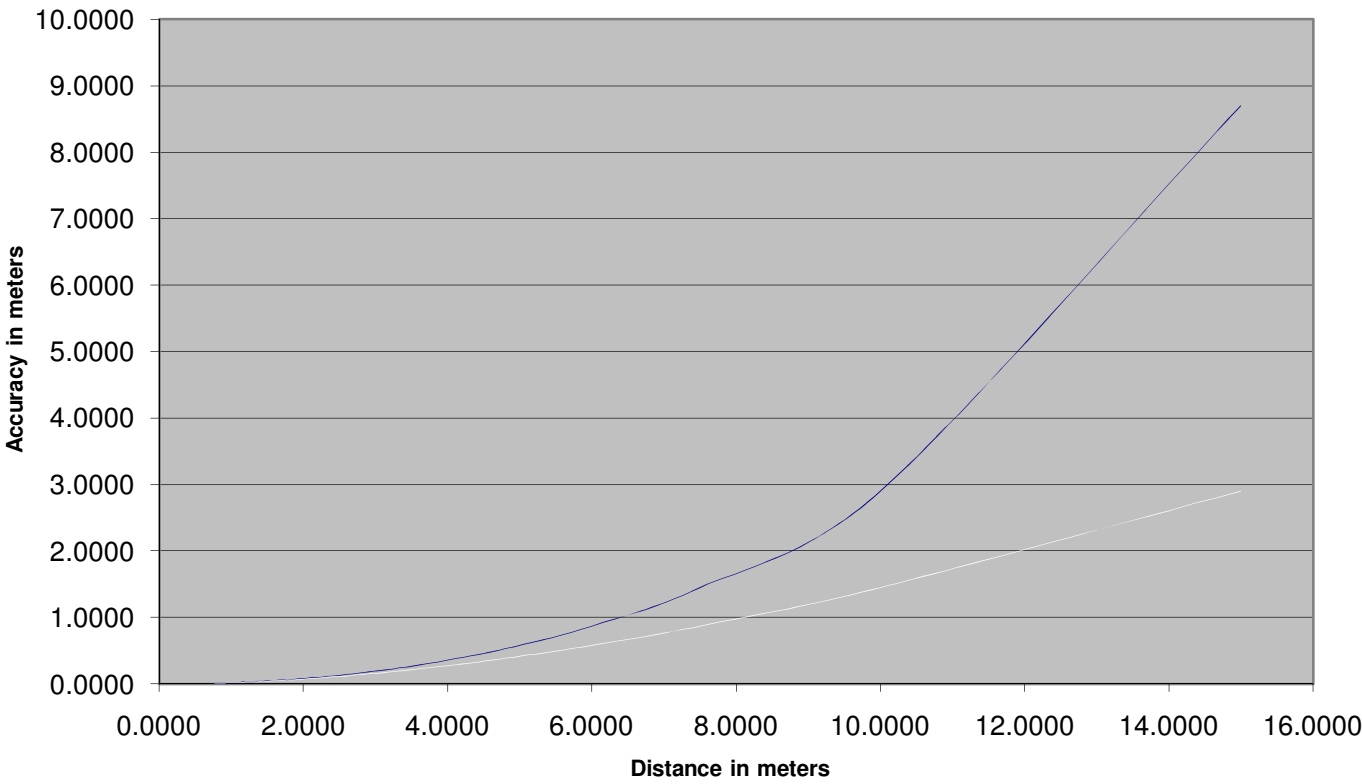
Focal Length in pixels	500.000
Calibration Accuracy (pixels)	0.080
Correlation Resolution (pixels)	0.500

Image sensor width (pixels)	752
Image sensor height (pixels)	480
Horizontal FOV (degrees)	73.9
Vertical FOV (degrees)	51.3

Operating Range(m)	max	min(64 disp)
	7.5000	0.4688

Disparity	Distance (m)	Z Accuracy (m)	
0	Inf	+	-
1	30.00		8.70
2	15.00	8.70	2.90
3	10.00	2.90	1.45
4	7.50	1.45	0.87
5	6.00	0.87	0.58
6	5.00	0.58	0.41
7	4.29	0.41	0.31
8	3.75	0.31	0.24
9	3.33	0.24	0.19
10	3.00	0.19	0.16
11	2.73	0.16	0.13
12	2.50	0.13	0.11
13	2.31	0.11	0.10
14	2.14	0.10	0.08
15	2.00	0.08	0.07
16	1.88	0.07	0.06
17	1.76	0.06	0.06
18	1.67	0.06	0.05
19	1.58	0.05	0.05
20	1.50	0.05	0.04
21	1.43	0.04	0.04
22	1.36	0.04	0.03
23	1.30	0.03	0.03
24	1.25	0.03	0.03
25	1.20	0.03	0.03
26	1.15	0.03	0.02
27	1.11	0.02	0.02
28	1.07	0.02	0.02
29	1.03	0.02	0.02
30	1.00	0.02	0.02
31	0.97	0.02	0.02
32	0.94	0.02	0.02
33	0.91	0.02	0.02
34	0.88	0.02	0.01
35	0.86	0.01	0.01
36	0.83	0.01	0.01
37	0.81	0.01	0.01
38	0.79	0.01	0.01
39	0.77	0.01	0.01
40	0.75	0.01	0.01
41	0.73	0.01	0.01
42	0.71	0.01	0.01
43	0.70	0.01	0.01
44	0.68	0.01	0.01
45	0.67	0.01	0.01
46	0.65	0.01	0.01
47	0.64	0.01	0.01
48	0.63	0.01	0.01
49	0.61	0.01	0.01
50	0.60	0.01	0.01
51	0.59	0.01	0.01
52	0.58	0.01	0.01
53	0.57	0.01	0.01
54	0.56	0.01	0.01
55	0.55	0.01	0.01
56	0.54	0.01	0.01
57	0.53	0.01	0.01
58	0.52	0.01	0.01
59	0.51	0.01	0.00
60	0.50	0.00	0.00
61	0.49	0.00	0.00
62	0.48	0.00	0.00
63	0.48	0.00	0.00
64	0.47	0.00	#REF!

Depth accuracy vs. Distance



Depth accuracy vs. Distance for distances under 2.5 m

