

Resolution: 16mm Standard Frame Film Format
 Aspect Ratio: (2 High by 3 Wide by 3.61 Diagonal)
 Aperture: 0.38 in. wide

Image Dimensions (H & W in ft., D in in.)

H	33.6"	39.6"	46.8"	56.4"	5.3'	6'	6.7'	8'
W	50"	60"	70"	84"	8'	9'	10'	12'
D"	60.2	71.9	84.2	101.2	115.2	129.8	144.4	173.1

EIKI Part No.	Ref.	T/W	Auxiliary Lenses	Distance (expressed in feet).								
AH-10101		1.32	0.5" (12.5mm) f/1.4 lens	5.5	6.6	7.7	9.2	10.5	11.8	13.2	15.8	
AH-10201		2.63	1.0" (25mm) f/1.6, 6-element	11.0	13.2	15.4	18.4	21.1	23.7	26.3	31.6	
AH-10301		3.95	1.5" (38mm) f/1.5, 6-element	16.4	19.7	23.0	27.6	31.6	35.5	39.5	47.4	
ACI-30101		5.26	2.0" (50mm) f/1.2, 6-element	21.9	26.3	30.7	36.8	42.1	47.4	52.6	63.2	
AH-10401		6.58	2.5" (65mm) f/1.5, 6-element	27.4	32.9	38.4	46.1	52.6	59.2	65.8	78.9	
AH-10501		7.89	3.0" (75mm) f/1.8, 6-element	32.9	39.5	46.1	55.3	63.2	71.1	78.9	94.7	
AH-10601		10.53	4.0" (100mm) f/2.2, 4-element	43.9	52.6	61.4	73.7	84.2	94.7	105.3	126	

Notes: Calculations are from the front glass of the lens and are accurate to approximately +/- 3.5
 Specifications are subject to change without prior notice.

How to use the T/W column. If your screen size does not appear on this chart, use the T/W column to find the lens you need
 Divide the Throw distance by the screen Width to get your "target T/W number". Then, look for a lens with a T/W range that covers

Eiki International, Inc. Tel: 800-322-3454, Fax: 800-457-3454, E-mail: usa@eiki.com
 In Canada: Tel: 800-563-3454, Fax: 800-567-4069, E-mail: canada@eiki.com
 Fax-on-Demand: 877-345-4329 Website: http://www.eiki.com

Approximate picture size for various 16mm projection distances

Note: These are not exact, but are close. To determine exactly, you should test the actual equipment.

.625" Lens:

Throw in ft.	Width in Inches	Height in Inches
5	36	27
6	44	33
7	51	38
8	58	44
9	66	49
10	73	55
11	80	60
12	88	66
13	95	71
14	102	77
15	109	82
16	117	88
17	124	93
18	131	98
19	139	104
20	146	109
21	153	115
22	161	120
23	168	126
24	175	131
25	182	137
26	190	142
27	197	148
28	204	153
29	212	159
30	219	164
31	226	170
32	233	175
33	241	181
34	248	186
35	255	192
40	292	219
45	328	246
50	365	274
55	401	301
60	438	328
65	474	356
70	511	383
75	547	410
80	584	438
85	620	465
90	657	492
95	693	520
100	730	547

1.0" Lens:

Throw in ft.	Width in Inches	Height in Inches
5	23	17
6	27	21
7	32	24
8	36	27
9	41	31
10	46	34
11	50	38
12	55	41
13	59	44
14	64	48
15	68	51
16	73	55
17	78	58
18	82	62
19	87	65
20	91	68
21	96	72
22	100	75
23	105	79
24	109	82
25	114	86
26	119	89
27	123	92
28	128	96
29	132	99
30	137	103
31	141	106
32	146	109
33	150	113
34	155	116
35	160	120
40	182	137
45	205	154
50	228	171
55	251	188
60	274	205
65	296	222
70	319	239
75	342	257
80	365	274
85	388	291
90	410	308
95	433	325
100	456	342

1.3" Lens:

(1.5" with Filmovara at widest)

Throw in ft.	Width in Inches	Height in Inches
5	18	13
6	21	16
7	25	18
8	28	21
9	32	24
10	35	26
11	39	29
12	42	32
13	46	34
14	49	37
15	53	39
16	56	42
17	60	45
18	63	47
19	67	50
20	70	53
21	74	55
22	77	58
23	81	61
24	84	63
25	88	66
26	91	68
27	95	71
28	98	74
29	102	76
30	105	79
31	109	82
32	112	84
33	116	87
34	119	89
35	123	92
40	140	105
45	158	118
50	175	132
55	193	145
60	210	158
65	228	171
70	246	184
75	263	197
80	281	210
85	298	224
90	316	237
95	333	250
100	351	263

1.5" Lens:

(Double the width with a scope attachment)

Throw in ft.	Width in Inches	Height in Inches
5	15	11
6	18	14
7	21	16
8	24	18
9	27	21
10	30	23
11	33	25
12	36	27
13	40	30
14	43	32
15	46	34
16	49	36
17	52	39
18	55	41
19	58	43
20	61	46
21	64	48
22	67	50
23	70	52
24	73	55
25	76	57
26	79	59
27	82	62
28	85	64
29	88	66
30	91	68
31	94	71
32	97	73
33	100	75
34	103	78
35	106	80
40	122	91
45	137	103
50	152	114
55	167	125
60	182	137
65	198	148
70	213	160
75	228	171
80	243	182
85	258	194
90	274	205
95	289	217
100	304	228

1.75" Lens:

(1.5" with Filmovara at narrowest or 2" with Filmovara at widest)

Throw in ft.	Width in Inches	Height in Inches
5	13	10
6	16	12
7	18	14
8	21	16
9	23	18
10	26	20
11	29	21
12	31	23
13	34	25
14	36	27
15	39	29
16	42	31
17	44	33
18	47	35
19	50	37
20	52	39
21	55	41
22	57	43
23	60	45
24	63	47
25	65	49
26	68	51
27	70	53
28	73	55
29	76	57
30	78	59
31	81	61
32	83	63
33	86	64
34	89	66
35	91	68
40	104	78
45	117	88
50	130	98
55	143	107
60	156	117
65	169	127
70	182	137
75	195	147
80	208	156
85	221	166
90	235	176
95	248	186
100	261	195

2.0" Lens:

(Double the width with a scope attachment)

Throw in ft.	Width in Inches	Height in Inches
5	11	9
6	14	10
7	16	12
8	18	14
9	21	15
10	23	17
11	25	19
12	27	21
13	30	22
14	32	24
15	34	26
16	36	27
17	39	29
18	41	31
19	43	32
20	46	34
21	48	36
22	50	38
23	52	39
24	55	41
25	57	43
26	59	44
27	62	46
28	64	48
29	66	50
30	68	51
31	71	53
32	73	55
33	75	56
34	78	58
35	80	60
40	91	68
45	103	77
50	114	86
55	125	94
60	137	103
65	148	111
70	160	120
75	171	128
80	182	137
85	194	145
90	205	154
95	217	162
100	228	171

2.25" Lens:

(2" lens with Filmovara at narrowest)

Throw in ft.	Width in Inches	Height in Inches
5	10	8
6	12	9
7	14	11
8	16	12
9	18	14
10	20	15
11	22	17
12	24	18
13	26	20
14	28	21
15	30	23
16	32	24
17	34	26
18	36	27
19	39	29
20	41	30
21	43	32
22	45	33
23	47	35
24	49	36
25	51	38
26	53	40
27	55	41
28	57	43
29	59	44
30	61	46
31	63	47
32	65	49
33	67	50
34	69	52
35	71	53
40	81	61
45	91	68
50	101	76
55	111	84
60	122	91
65	132	99
70	142	106
75	152	114
80	162	122
85	172	129
90	182	137
95	193	144
100	203	152

2.5" Lens:

Throw in ft.	Width in Inches	Height in Inches
5	9	7
6	11	8
7	13	10
8	15	11
9	16	12
10	18	14
11	20	15
12	22	16
13	24	18
14	26	19
15	27	21
16	29	22
17	31	23
18	33	25
19	35	26
20	36	27
21	38	29
22	40	30
23	42	31
24	44	33
25	46	34
26	47	36
27	49	37
28	51	38
29	53	40
30	55	41
31	57	42
32	58	44
33	60	45
34	62	47
35	64	48
40	73	55
45	82	62
50	91	68
55	100	75
60	109	82
65	119	89
70	128	96
75	137	103
80	146	109
85	155	116
90	164	123
95	173	130
100	182	137

3" Lens:

(Double the width with a scope attachment)

Throw in ft.	Width in Inches	Height in Inches
5	8	6
6	9	7
7	11	8
8	12	9
9	14	10
10	15	11
11	17	13
12	18	14
13	20	15
14	21	16
15	23	17
16	24	18
17	26	19
18	27	21
19	29	22
20	30	23
21	32	24
22	33	25
23	35	26
24	36	27
25	38	29
26	40	30
27	41	31
28	43	32
29	44	33
30	46	34
31	47	35
32	49	36
33	50	38
34	52	39
35	53	40
40	61	46
45	68	51
50	76	57
55	84	63
60	91	68
65	99	74
70	106	80
75	114	86
80	122	91
85	129	97
90	137	103
95	144	108
100	152	114