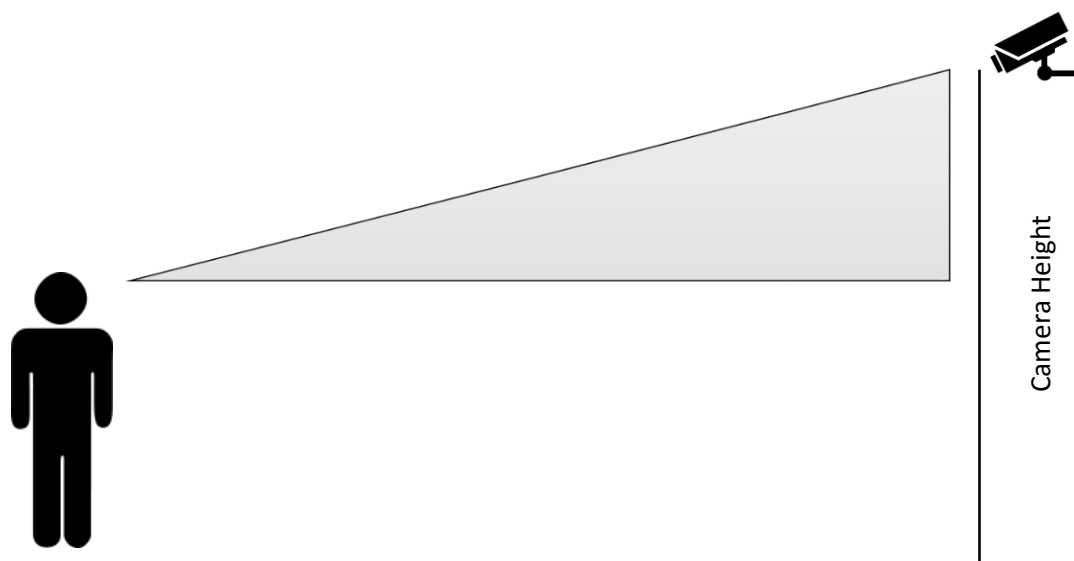


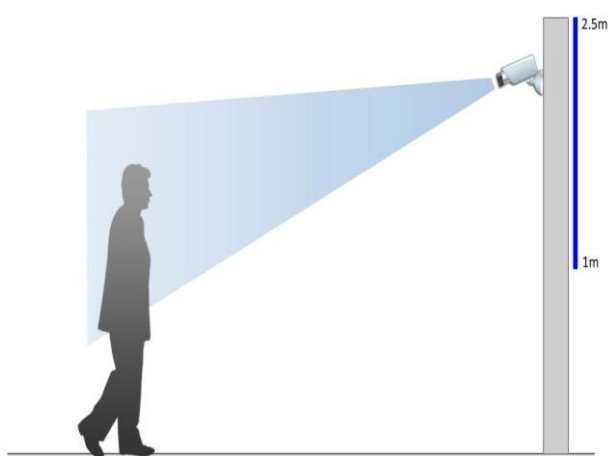
# camera distance calculator



Distance Away

Camera Height (m)	1.6	1.7	1.8	1.9	2	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3
Minimum Distance Away (m)	0	0.7	1.4	2.1	2.8	3.6	4.3	5	5.7	6.4	7.1	7.8	8.5	9.2	10
Minimum Lens Size (mm)	1.6	3.7	5.5	6.8	8.9	9.9	11.5	13	15	17	19	21	24	25	26
Camera Height (m)	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9	4	4.1	4.2	4.3	4.4	4.5
Minimum Distance Away (m)	10.7	11.4	12.1	12.8	13.5	14.2	14.9	15.7	16.4	17.1	17.8	18.5	19.2	19.9	20.6
Minimum Lens Size (mm)	28	30	32	34	35	37	40	42	44	46	48	50	53	55	60

## Technical Specification



- Normal lighting conditions, not extreme ones.
- Uniform illumination desirable (300 lux+ is a 'good level')
- Users walking at normal speed. (See Fig.1) Faces near frontal position (+/-35 degrees left/right deviation, +/-20 degrees up/down deviation)
  - Camera preferably placed at 1.6-1.8m
  - Max 2.5 meters height. (See Fig.1) – can be higher but no more than 10 degree tilt angle (to ensure face is captured and not top of head) – camera located further away from target and telephoto lens used.
- Sunglasses can reduce the recognition rate if oversized