Notations	Description
Ω	The region of interest
L, W	Length and width of the region of interest respectively
n	Number of deployed camera sensors
S	Set of deployed camera sensors
S_i	i-th camera sensor in set S, also the location of S_i
s	An arbitrary sensor
R	Radius of every camera sensor
α	Half of the sensing range of every camera sensors
φ_i	Orientation angle of camera sensor S_i
k, ω	The conditional parameters of the problem
P	An arbitrary point in Ω, denotes an object
$f(s, P)$	Sensing intensity of sensor s towards P
$I(P)$	Sensing intensity of the whole set S towards P
Π	Set of multiple-view covered rectangles
B	A multiple-view barrier, actually a region consisting of connected rectangles
S_B	Area of the barrier B
$I(B)$	Coverage value of barrier B