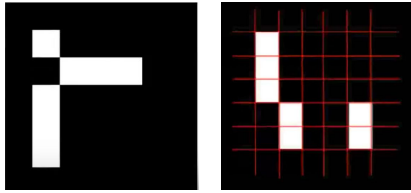


What is Aruco Marker?

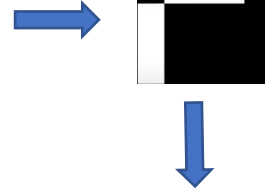
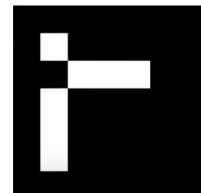


7 X 7

Application of Aruco Marker

- Object size measurement
- AR vision mapping
- Robotic Control
- Drone Navigation system
- Distance Estimation
- 3D object mapping

How Aruco Marker Works



Marker ID:
0011000000

ID in decimal: 192

1st	2nd	3rd	4th	5th
1	0	0	0	0
0	1	1	1	0
1	0	0	0	0
1	0	0	0	0
1	0	0	0	0

How to measure the size of an object

- ✓ Place an Object with aruco marker
- ✓ Capture footage and detect marker
- ✓ Compute centroid of marker along with known 2D location in the plane and compute homography
- ✓ Detect the object and apply homography to get 2D plane coordinates



Object Size Measurement

How marker detection algorithm works

