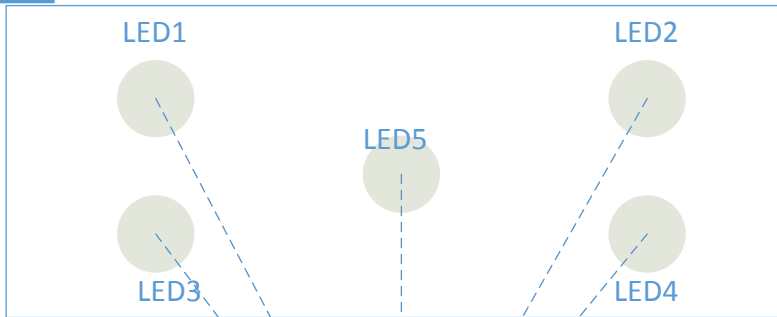
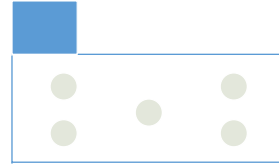


Controlling module

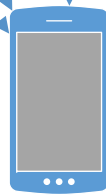


Positioning Beacon Source 1

Controlling module



Positioning Beacon Source 2



smartphone

Taking a picture
Return a position



processing server

Initial user location
with RGBLED positioning system

Eliminate location errors
With RGBLED positioning system

Track the user indoors with
accelerator and compass sensors

Split each beacon on Image

Decoding beacon data

Locate beacon board
from digital map

Locate the user with AoA