

A stylized graphic of a dark grey rectangular sign with a thick black border, mounted on four purple cylindrical pillars. The sign is centered on an orange background. The text on the sign is white. The top part of the sign reads 'Po Kok Secondary School' in a sans-serif font. Below it, the words 'AI MAKER WORKSHOP' are written in a larger, bold, all-caps sans-serif font.

Po Kok Secondary School

AI MAKER WORKSHOP

Lecture 1

Operation of an AI Smart Car – Movements, Sensors, Face Detection and Gesture Recognition

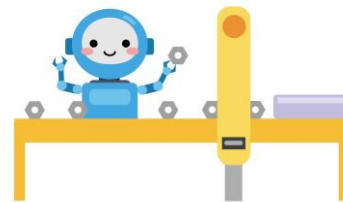
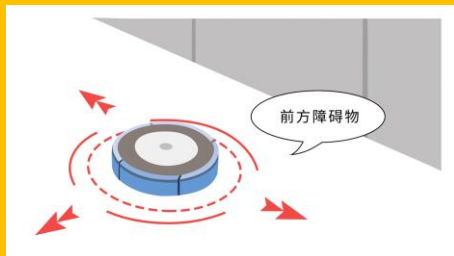
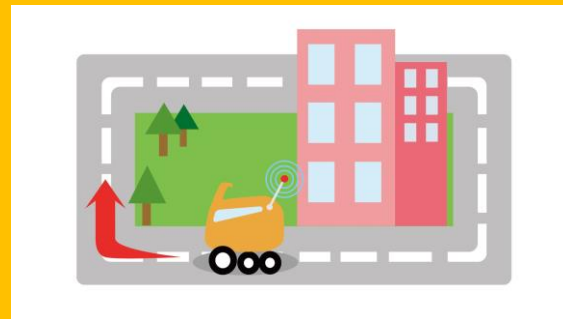
01

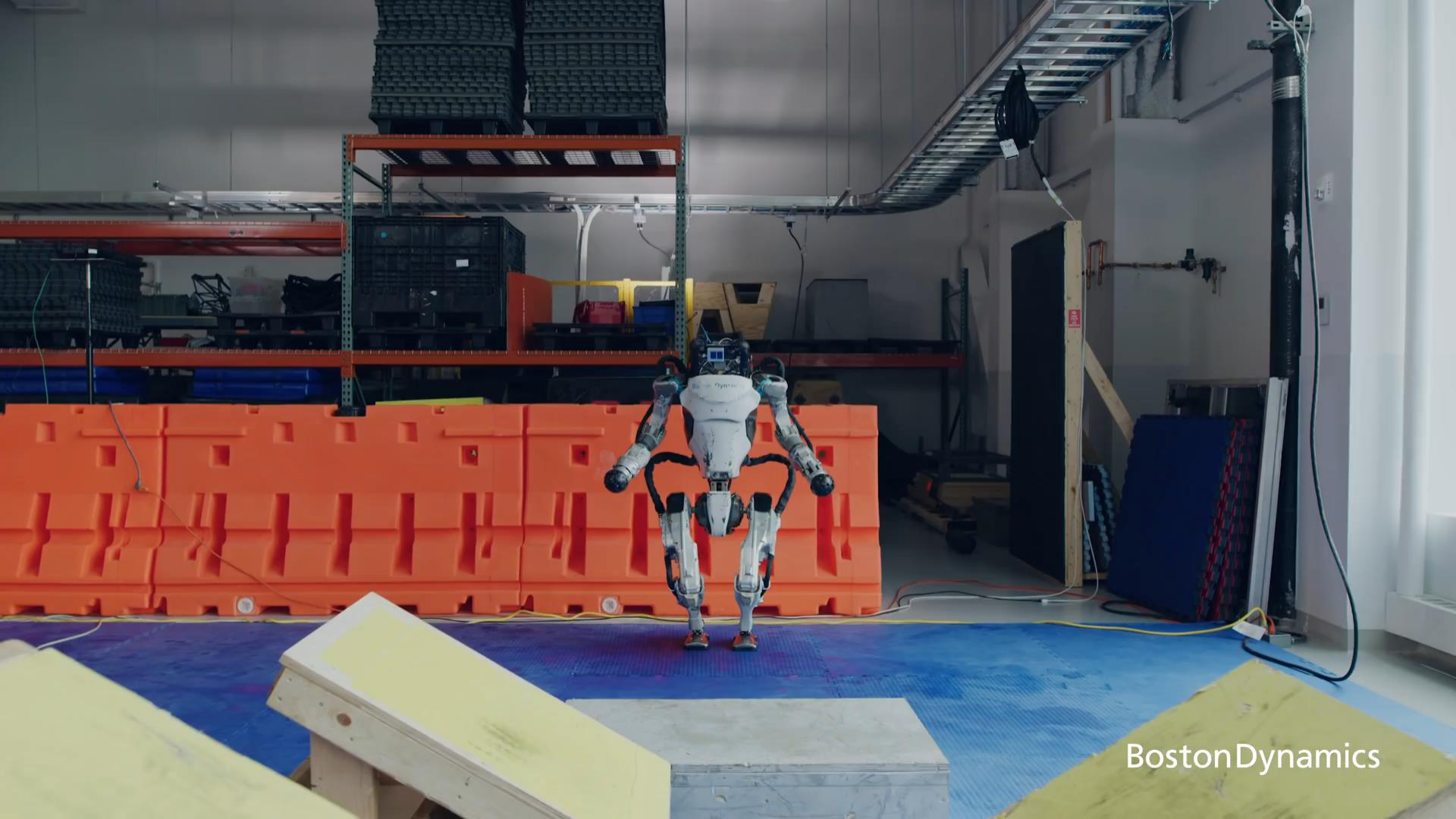


ROBOTS

WHAT IS A ROBOT?

A robot is a machine that can perform various functions through its own power and control.





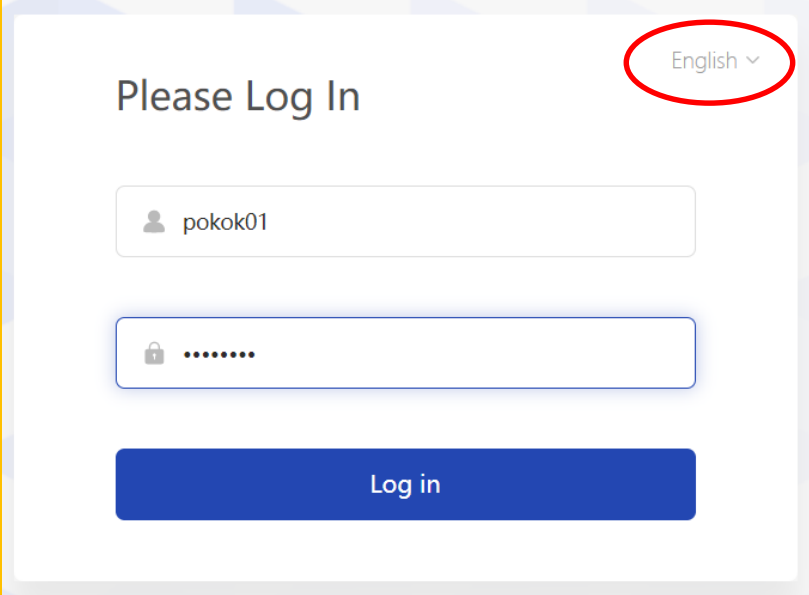
BostonDynamics

Basic Operations

Please login: hk.study.sensetime.com/course/login

Username:
pokok01 ~ pokok30

Password:
pokok123



Please Log In

English ▾

Log in

Basic Operations

Preparation – Connect SenseStorm with the Platform

1. Make sure your laptop use the same “pkss_607” WIFI network as SenseStorm.
2. Log into SenseStudy platform, and use the “SenseStorm Workshop” course package.
3. On the right upper corner of the interface, click the “Connect to hardware” and find the series no. of your SenseStorm. Click “Connect”.

Basic Operations

商汤教育
sensetime edu

Logged

English ▾

POKOK01

Log Out

Please select the product you would like to use

v2.8
SenseStudy

v2.8
Download Center


Modify Password

Basic Operations


商汤教育 SenseStudy

Connect Hardware


POKOK01



Elementary AI, Volume I
4 Total Chapter(s) - 14 Total Lessons



SenseStorm Workshop
2 Total Chapter(s) - 12 Total Lessons




Elementary AI, Volume II
4 Total Chapter(s) - 15 Total Lessons

Basic Operations


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SenseStudy

Connect Hardware

 POKOK01

Home > SenseStorm Workshop




SenseStorm Workshop

2 Total Chapter(s) - 12 Total Lessons

All

Chapter 1

Chapter 2




Introduction to SenseStorm:
Controlling the Car's Movement

In Progress

Chapter 1 Section 1

Continue




Introduction to SenseStorm: Using
the Speaker

Not Started

Chapter 1 Section 2

Start




Introduction to SenseStorm: Using
the Color Sensor

In Progress

Chapter 1 Section 3

Continue



Introduction to SenseStorm: Using
the Ultrasonic Sensor

Not Started

Chapter 1 Section 4

Start

Search Your Devices

Unknown Hardware Type - de82f4

SenseStorm - c17151

Q SenseStudy Experiment




1

Choose Experiment: Introduction to SenseStorm (Chapter 1 Section 1)


商汤教育 SenseStudy


Connect Hardware POKOK15


Home > SenseStorm Workshop


 **SenseStorm Workshop**
2 Total Chapter(s) - 12 Total Lessons

All Chapter 1 Chapter 2

 **Introduction to SenseStorm: Controlling the Car's Movement** Not Started
Chapter 1 Section 1
Start

 **Introduction to SenseStorm: Using the Speaker** Not Started
Chapter 1 Section 2
Start

 **Introduction to SenseStorm: Using the Color Sensor** Not Started
Chapter 1 Section 3
Start

 **Introduction to SenseStorm: Using the Ultrasonic Sensor** Not Started
Chapter 1 Section 4
Start

2

3

4

Build a Smart Car



Building Manual Download:

shorturl.at/deBRW

Basic Operation

Move Forward, Backward, Left-turn, Right-turn and U-turn

run with left motor 30 right motor 30 for 1 seconds

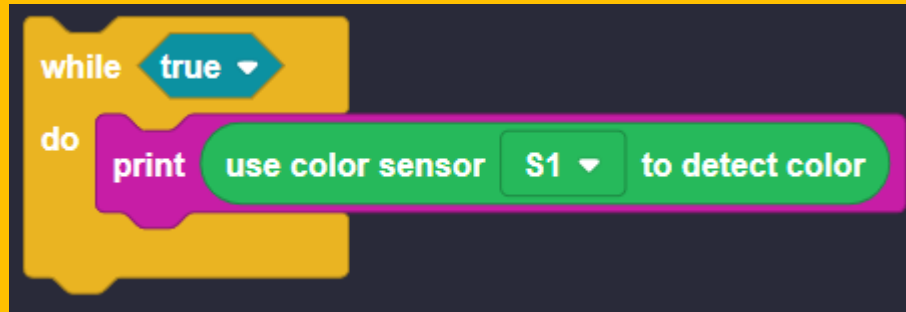
Basic Operation

Use the Ultrasonic Sensor



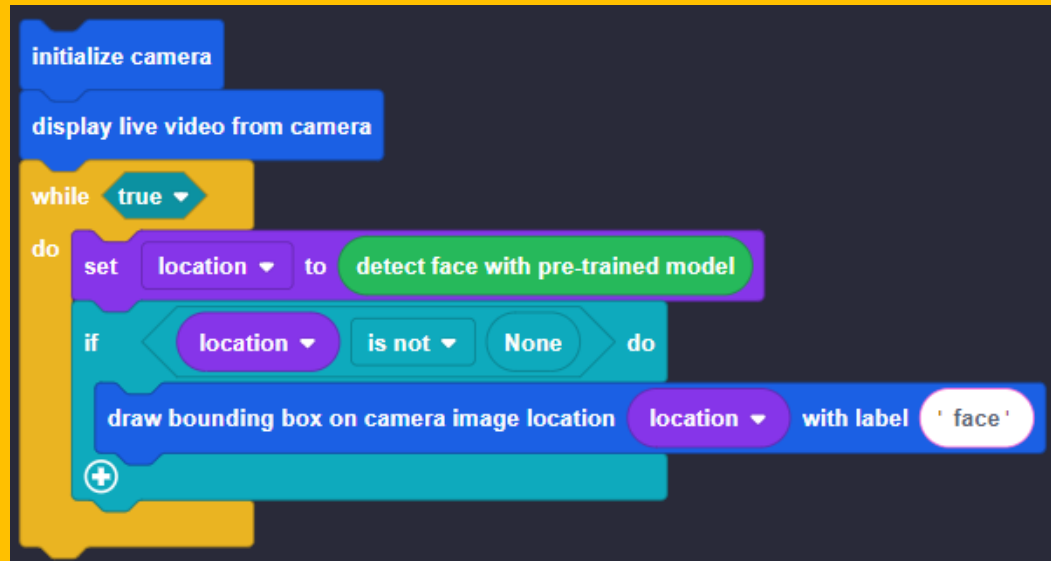
Basic Operation

Use the Color Sensor



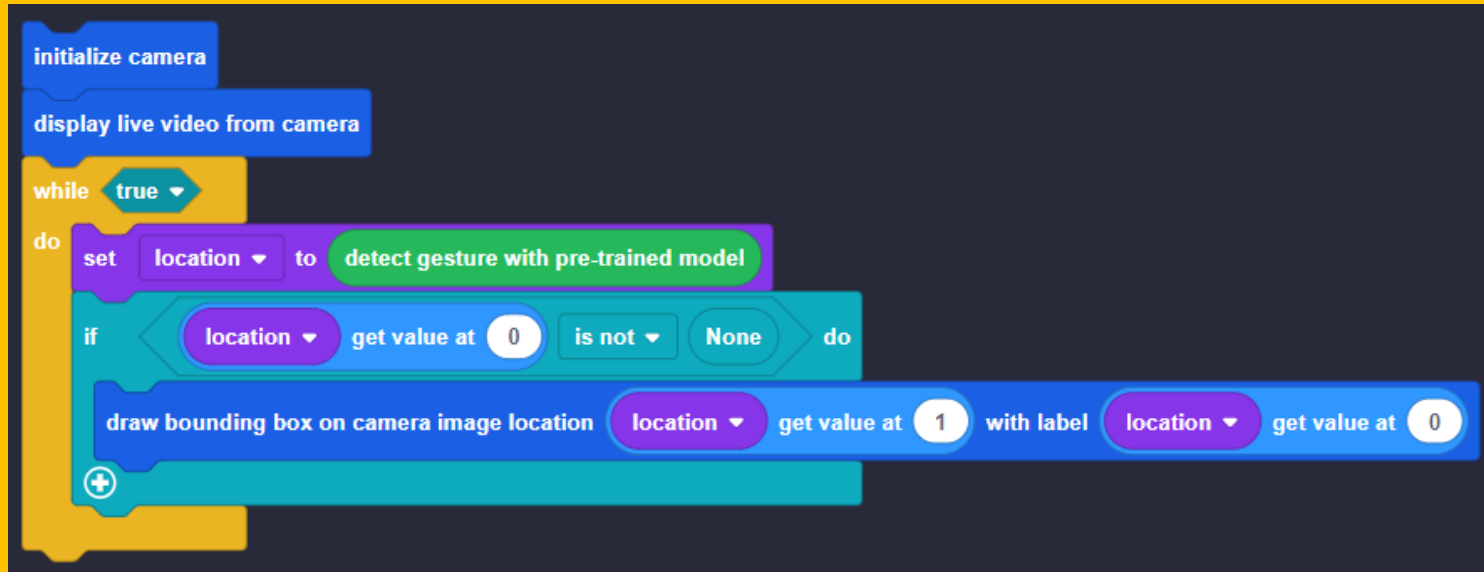
Basic Operation

Face Detection

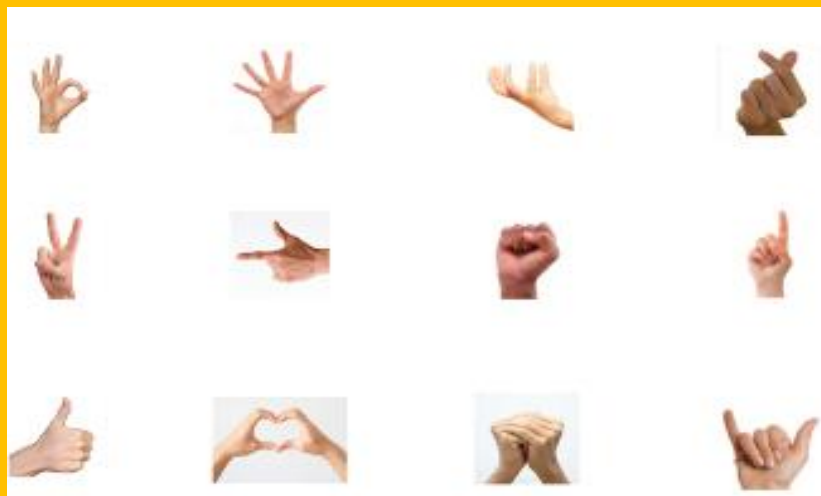


Basic Operation

Gesture Recognition



Gesture Recognition



手勢序號	手勢種類	手勢序號	手勢種類
0	"OK"	6	"GRAB"
1	"V"	7	"FIST"
2	"THUMB_UP"	8	"FIST_PALM_SALUTE"
3	"STOP"	9	"SINGLE_HAND_HEART"
4	"TICK"	10	"FOREFINGER_UP"
5	"HEART"	11	"SIX"