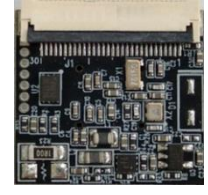
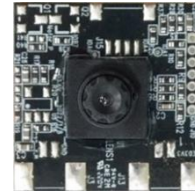
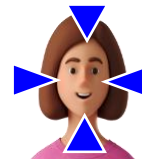


The module can detect and track human face. This module is mainly to detect whether there is a face in the field of view. Usually the face is facing the front when reading. The posture is considered to be appropriate if the face was detected with the device ahead. Therefore, a face detection device may be used in sitting posture evaluation.



- Detect and track human face
- Real-time edge decision-making without network connection



Application

- Smart home appliances with touchless switch
- Intelligent power switch
- Sitting posture detection
- Interactive toys

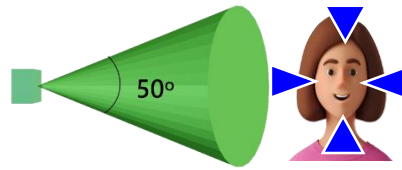
Ratings / Specifications

Ratings

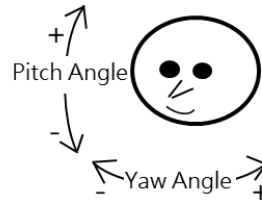
Item	Rated values
Supply voltage	3.3 VDC 5.0 VDC (Option)
Consumption current	<0.21 A
Operating temperature	0 to +50°C
Storage temperature	-30 to +70°C

Specifications

Angle of View	Angle
Horizontal detection range (angle of view)	50°
Vertical detection range (angle of view)	50°



Angle Range	Angle
Pitch angle (up-down)	±40°
Yaw angle (left-right)	±40°

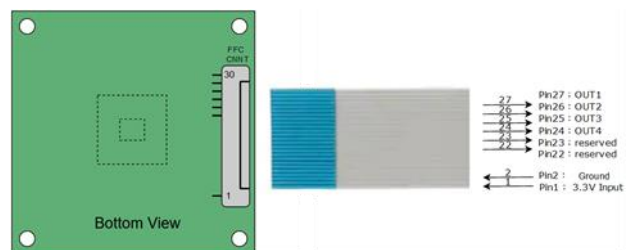


Host Communication Specifications	Specifications
Standard	GPIO

Detection Distance	35-60 CM
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Connector Pin Assignment

Pin No.	Pin Name	Face Detection
Pin1	3.3V	Power Supply
Pin2	Ground	Ground
Pin22	Reserved	-
Pin23	Reserved	-
Pin26	Out2	Face detection



Note. Output level High (3.3V) active.

Alternative Power Supply Input (Option)

Pin No.	Pin Name	Face Detection
Pin1	5V	Power Supply
Pin4	Ground	Ground

