SUMEC Pololu BOM

# Pololu Distance Sensor 1.

**LiDAR-based Distance Sensor / ToF**

Distance measured: **50, 130cm**

Communication: **Digital Pulse Width**

Output: **Digital**

Technology: **Infrared laser**

Input voltage: **Vin = 3-5V**

Connector: **2,54 - 3Pad holes**

[Polulu Pulse Width manual](https://www.pololu.com/product/4071)

[**https://www.pololu.com/product/4064**](https://www.pololu.com/product/4064)

# 12V 1100RPM HPCB

**High power, carbon brushes DC motor**

Voltage: **12V**

Encoder: **Yes (Side)**

RPM: **1100**

Length: **41mm**

Connector: **JST SH Female**

**2X** <https://www.pololu.com/product/5211>

# 12V 650RPM HPCB

**High power, carbon brushes DC motor**

Voltage: **12V**

Encoder: **Yes (Side)**

RPM**: 650**

Length: **41mm**

Connector: **JST SH Female**

2x <https://www.pololu.com/product/5213>

# Pololu Digital Distance Sensor 2.

**Obsah obrázku text, snímek obrazovky, číslo, Písmo

Popis byl vytvořen automatickyLiDAR based distance sensor / I/O**

Distance measured: **50/100cm**

Communication: **HIGH/LOW**

Output: **Digital**

Technology: **Infrared laser**

Input voltage: **Vin = 3-5.5V Distance seen is based on the jumper config.**

Connector: **2.54, 3 Pad Holes**

[Polulu digital detection manual](https://www.pololu.com/product/4067)

**PROS:**

* **Size 21.6 × 8.9 × 3.5 mm**
* **Accurate – 1mm**
* **Adjustable distance**
* **Adjustable type of measurement**

**CONS:**

* **Cost: (500Kč)**
* **FoV: 15°**
* **We don’t know if they work**