

# Bauteile Bestellliste \_\_ Hardware Seminar \_\_ Penzar

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„1,2,3, um!“

- **1x Mikrocontroller**

- Arduino  
<http://www.exp-tech.de/arduino-uno-r3>

- **Entfernungssensoren**

- **1-4 Spieler Laufspiel (Optimal)**

- 4x IR Distance Sensor (100-500cm)  
<http://www.exp-tech.de/ir-distance-sensor-includes-cable-100cm-500cm-gp2y0a710k0f>  
**oder...**

- **1-4 Spieler Handspiel**

- 4x IR Distance Sensor (15-150cm)  
<https://www.sparkfun.com/products/8958>  
**oder...**

- **1-Spieler**

- 1x IR Distance Sensor (100-500cm)  
<http://www.exp-tech.de/ir-distance-sensor-includes-cable-100cm-500cm-gp2y0a710k0f>  
**beziehungsweise...**
    - 1x HC-SR04  
<https://www.sparkfun.com/products/13959>

- **Audio Signale (Output)**

- Mini Speaker  
<https://www.sparkfun.com/products/7950>  
<https://www.sparkfun.com/products/9151>  
**beziehungsweise...**

- Piezo  
<https://www.sparkfun.com/products/13940>

- **Licht Signale — Adressable LED's**

- 4x RGB Clear Common Cathode — LED  
<https://www.sparkfun.com/products/105>
- 1x RGB Diffused Common Cathode  
<https://www.sparkfun.com/products/9264>  
**beziehungsweise...**
- 5x RGB Diffused Common Cathode — LED  
<https://www.sparkfun.com/products/9264>

- **Button's**

- 1x Pushbutton  
<https://www.sparkfun.com/products/97>