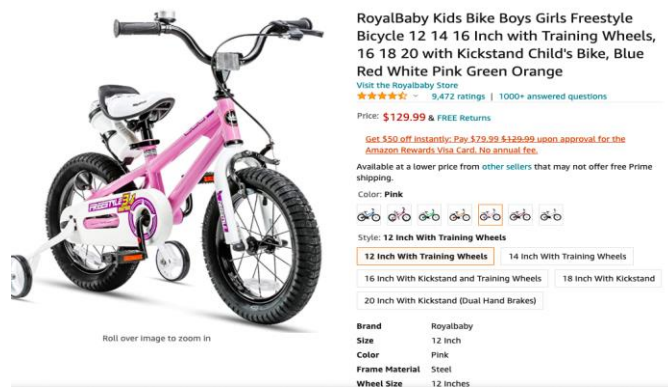


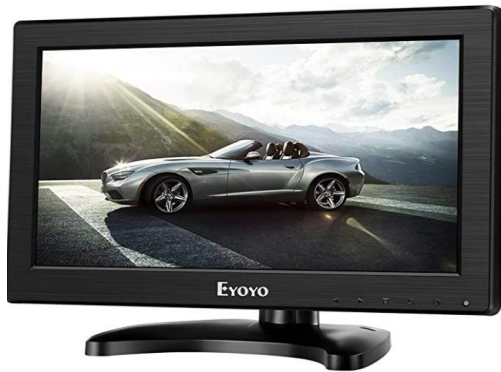
Stationary Bike Parts List

With the merry-go-round not being available we decided to make a stationary bike. The set up for this goes, bike -> sensor -> Arduino -> relay -> TV input. The idea is so that when the bike is pedaled the tv will receive the input given from the dvd player.

1. https://www.amazon.com/Royalbaby-RB12B-6P-Freestyle-Training-Children/dp/B01GQ05NFY/ref=sr_1_1_sspa?dchild=1&keywords=toddler+bike&qid=1619189236&s=sporting-goods&sr=1-1-spons&psc=1&spLa=ZW5jcnlwdGVkUXVhbGlmaWVyPUFTNzhHTFM4N01YRU4mZW5jcnlwdGVkSWQ9QTAWNDA3NzExMTJKT1ZROVBRT1FEJmVuY3J5cHRlZEFkSWQ9QTEwMDk3MjMyVVB5NSJZHS0ZHWDE1JndpZGdldE5hbWU9c3BfYXRmJmFjdGlvbj1jbGlia1JlZGlyZWNOJmRvTm90TG9nQ2xpY2s9dHJ1ZQ==



2. https://www.amazon.com/Eyoyo-Monitor-1366x768-Portable-Display/dp/B01KJVERF8/ref=sr_1_1_sspa?dchild=1&keywords=12+in+monitor&qid=1619189327&sr=8-1-spons&psc=1&spLa=ZW5jcnlwdGVkUXVhbGlmaWVyPUeYWE83QUUNNTUJYTFJTmVuY3J5cHRlZElkPUEwODE3NzcwMlZPVVNVShORTFRQjZlbnNyeXB0ZWVhZElkPUEwNDQ2MTI3MmVgyS0JaRVpYNjBPSyZ3aWRnZXROYW1lPXNwX2F0ZiZ3Rpb249Y2xpY2tSZWRpcmVjdCZkb05vdExvZ0NsaWNrPXRydWU=



Roll over image to zoom in

Eyoyo 12" Inch TFT LCD Monitor with AV HDMI BNC VGA Input 1366x768 Portable Mini HD Color Screen Display with Built-in Speaker

Visit the Eyoyo Store
 ★★★★★ 317 ratings | 88 answered questions

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Screen Size	11.6 Inches
Resolution	XGA Wide
Display	LCD
Technology	
Brand	Eyoyo
Aspect Ratio	16:9
Hardware	VGA, HDMI

About this item

- Multi video input(VGA, AV, HDMI, BNC), high sensitivity, strong anti-jamming features that can withstand interference; multi language OSD menu
- Clear image and colorful display, 11.6 inch 1366*768 high resolution TFT LCD monitor

3. https://www.amazon.com/Players-Headphone-Portable-Compact-ARAFUNA/dp/B08QVJG3Q4/ref=sr_1_2_sspa?dchild=1&keywords=small+dvd+player&qid=1619189427&sr=8-2-spons&psc=1&spLa=ZW5jcnlwdGVkUXVhbGlmaWVyPUEyYR1FQSTY2UVVCV0VHJmVuY3J5cHRIZElkPUeWnAzAZMdG1SEdCMEJMRFZIODE0JmVuY3J5cHRIZEFkSWQ9QTAWMjU3MTgzUE42OUhTMDdYR1ZOJndpZGdlE5hbWU9c3BfYXRmJmFjdGlvbj1jbGlja1JlZGl5ZWNOJmRvTm90TG9nQ2xpY2s9dHJ1ZQ==



Mini DVD Player Region Free HD DVD Players with HDMI Headphone Portable CD/DVD Player Compact DVD Player for TV with Remote, ARAFUNA DVD/CD Player

Brand: Arafuna
 ★★★★★ 46 ratings | 5 answered questions

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Brand	Arafuna
Item Weight	0.62 Pounds
Audio Output Mode	Surround, Stereo



4. https://www.amazon.com/ELEGOO-Board-ATmega328P-ATMEGA16U2-Compliant/dp/B01EWOE0UU/ref=sr_1_1_sspa?crd=1V1IXTX2Y5Z3L&dchild=1&keywords=arduino+uno&qid=1619194540&s=electronics&sprefix=arduino+%2Caps%2C196&sr=1-1-spons&psc=1&spLa=ZW5jcnlwdGVkUXVhbGlmaWVyPUEyYR1FQSTY2UVVCV0VHJmVuY3J5cHRIZElk

[PUewNTE0NTU4MIVTQUtGMkFQSEQxtiZlbnNyeXB0ZWRBZEIkPUEwNzY1NzM2M0VJQ0VJMTdZNDVHWCZ3aWRnZXROYW1IPXNwX2F0ZiZhY3Rpb249Y2xpY2tSZWRpcmVjdCZkb05vdExvZ0NsaWNRpXRydWU=](https://www.amazon.com/Elegoo-Uno-3-ATmega328P-ATMEGA16U2-USB-Cable-Compatible-with-Arduino-IDE-Projects-RoHS-Compliant/dp/B079FJ5YGY/ref=sr_1_3?dchild=1&keywords=small+relay&qid=1619194896&sr=8-3)



ELEGOO UNO R3 Board ATmega328P ATMEGA16U2 with USB Cable Compatible with Arduino IDE Projects, RoHS Compliant

Visit the ELEGOO Store
★★★★★ 2,127 ratings | 91 answered questions
Amazon's Choice for "arduino uno"

Price: **\$13.99** Get Fast, Free Shipping with Amazon Prime & FREE Returns

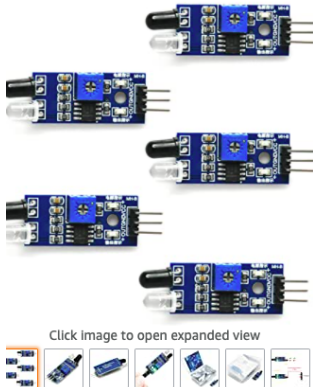
Get \$50 off instantly. Pay \$0.00 \$13.99 upon approval for the Amazon Rewards Visa Card. No annual fee.

Available at a lower price from other sellers that may not offer free Prime shipping.

Brand	ELEGOO
Computer Memory Size	2 KB
Hardware Interface	USB

About this item

- https://www.amazon.com/Gikfun-avoidance-Reflective-Photoelectric-Intensity/dp/B07FJLMLVZ/ref=sr_1_3?crd=3SMZMTD2PRBFX&dchild=1&keywords=infrared+sensor+for+uno&qid=1619194645&sprefix=infrared+sensor+%2Caps%2C190&sr=8-3



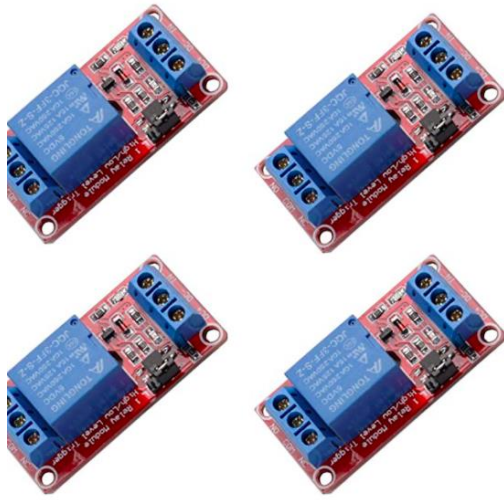
Gikfun Obstacle avoidance IR Infrared Sensor Module Reflective Photoelectric Light Intensity DIY Kit for Arduino UNO (Pack of 5pcs) EK1254x5

Visit the Gikfun Store
★★★★★ 45 ratings
Amazon's Choice for "infrared sensor uno"

Price: **\$8.68** Get Fast, Free Shipping with Amazon Prime & FREE Returns

- Can be used for 3-5V DC power supply modules. It has red power indicator.
- IR Infrared Obstacle Avoidance Sensor Module can be widely used in robot obstacle avoidance, obstacle avoidance car, line count, and black and white line tracking and so on
- The output port OUT sensor module can be directly connected to the microcontroller IO port, you can directly drive a 5V relay
- It has a pair of infrared transmitting and receiving tube, tube infrared emit a certain frequency, when detecting direction meet with obstacles (reflecting surface), reflected infrared receiving tube, after the comparator circuit processing, green indicator will light up, at the same time signal output interface to output digital signal (a low level signal).
- Packed with high quality box

- https://www.amazon.com/Channel-Module-Trigger-Optocoupler-Arduino/dp/B079FJ5YGY/ref=sr_1_3?dchild=1&keywords=small+relay&qid=1619194896&sr=8-3



4 pcs DC 5V 1 Channel Relay Module Board Shield High/Low Level Trigger with Optocoupler

Brand: CHENBO
★★★★★ 106 ratings | 19 answered questions

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Size: **1 Channel**

1 Channel \$8.99	2 Channel \$8.99
----------------------------	---------------------

Brand CHENBO
Contact Type Normally Open, Normally Closed
Maximum Switching Current 10 Amps

About this item

- The module uses genuine quality relay, normally open interfaces
- Maximum load: AC 250V/10A, DC 30V/10A
- SMD optocoupler isolation, strong driving ability, stable performance; trigger current 5mA
- The module voltage 5V
- The module can be set high or low triggered by jumper