



eYRC 2023-24: Hologlyph Bots

















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Welcome to Hardware Procurement :

Note : Those who are selected for free hardware kits can skip this page.

Hardware Provided in Kit:

| Sl No | Component Name | Qty | Image | Sl No | Component Name | Qty | Image |
|-------|------------------------------------|-----------|---|-------|---|-----|---|
| 1 | ESP 32 | 3 |  | 9 | Orange 11.1V 2200mAh 30C 3S Lithium Polymer | 3 |  |
| 2 | USB Camera (OV2710) | 1 |  | 10 | Li-Po Battery Charger | 1 |  |
| 3 | USB Extension Cable (5m) | 1 |  | 11 | 1-8S Lipo Battery Voltage Tester | 1 |  |
| 4 | Omni Wheel 38mm | 9 |  | 12 | XT60 cable | 3 |  |
| 5 | MG995: 360 continuous servo | 9 |  | 13 | Bolt & Nut (15mm - M3) | 40 |  |
| 6 | MG90s: 180 servo | 3 |  | 14 | Micro USB Cable | 2 |  |
| 7 | Water Brush and Metallic Brush Pen | 6 + 3 = 9 |  | 15 | 40 Pin Burge Strip Male | 1 |  |
| 8 | Buck Converter XL4015 | 3 |  | 16 | Jumpers (10 pin male to female jumper wires, 10 pin male to male cable and 10 pin female to female cable) | 30 |  |

We have provided a link to the components you can purchase. Alternatively, you can search for other vendors, either online or offline, according to your convenience. But do note that the components used on the robot (motors, wheels, batteries, etc.) must have the exact same specifications as provided by us to be considered for the final evaluation.

| Sr. No. | Component | Quantity | link |
|---------|-----------------------------------|----------|----------------------|
| 1. | USB Camera | 1 | link |
| 2. | USB Extension Cable (5m) | 1 | link |
| 3. | ESP32 | 3 | link |
| 4. | Omni-wheel (38mm) | 9 | link |
| 5. | MG995: 360 Continuous Servo | 9 | link |
| 6. | MG90S: micro servo | 3 | link |
| 7. | XT60 Cable | 1 | link |
| 8. | Water Brush Pens | 6 | link |
| 9. | Water Brush Pens (metallic) | 3 | link |
| 10. | Orange 2200mAh Li-Po Battery | 3 | link |
| 11. | 1-8S Li-Po Battery Voltage Tester | 1 | link |
| 12. | Li-Po Battery Charger | 1 | link |
| 13. | Buck Converter XL4015 | 3 | link |
| 14. | Nut & Bolt (M3 - 15MM) | 40 | link |

| Sr. No. | Component | Quantity | link |
|---------|-----------------|----------|----------------------|
| 15. | Micro USB Cable | 1 | link |
| 16. | Male Berg Pins | 4 | link |

