

PRIZ-BOT G02 Robots Series



ABOUT OUR COMPANY

Welcome to the Future of Robotics,
PRIZ-BOT Presents the
World's most Advanced
Programmable Quadruped at your
services, accompanied by the
necessary curriculum for easy
programming and learning.

A



PRIZ-BOT GO2 AIR

Features



Dimensions

70 × 31 × 40 cm



Weight

15 kg



Payload

7kg (limit ~10kg)



Max. speed

2.5 ms



Battery

8000mAh

battery life 1-2h



Front Camera

Resolution 1280×720

FOV 120°



Maximum gradient and Climbing height

30° and 15 cm



Obstacle Avoidance

4D-Lidar(360°x90°)

Included in the pack

- ✓ GO2 Platform
- ✓ Batteries (8000 mAh)x1
- ✓ Charger
- ✓ Calibrator x 1

Applications

- ✓ Education and STEM Learning
- ✓ Entertainment and Events



PRIZ-BOT GO2 PRO

The PRIZ-BOT Go2 Pro has the same features as Go2 Air with unique upgrades for better performance.



**Maximum gradient
and Climbing height**
40° and 16 cm



Intelligent side-follow system



Max. speed
3.5 ms



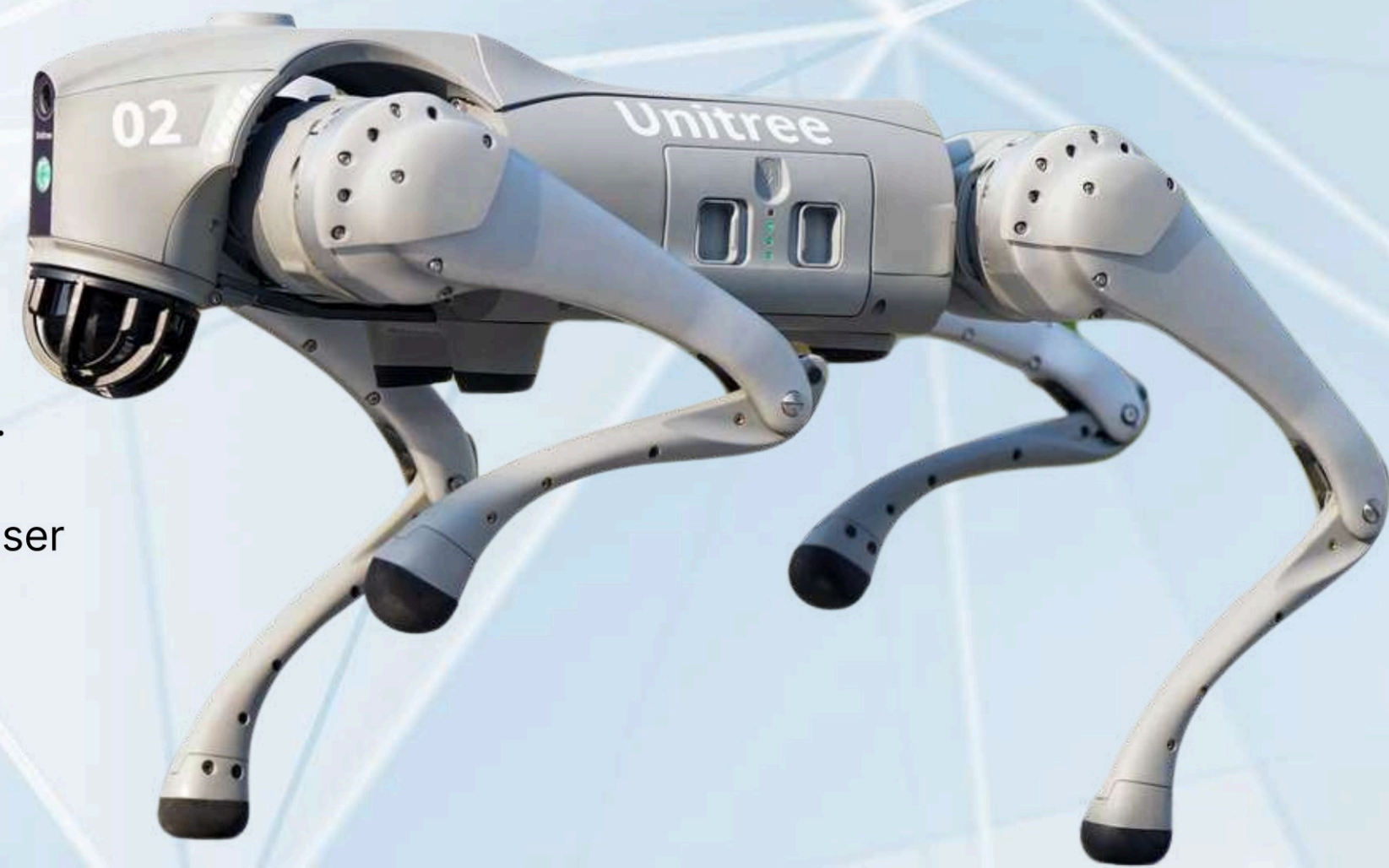
**Equipped with Microphone
and Speaker**

Included in the pack

- ✔ Label Controller

Applications

- ✔ Control tasks like dancing, jumping, and shaking hands etc via voice assistant.
- ✔ Engage in conversations using ChatGPT.
- ✔ Side-Follow System: Robot follows the user avoiding obstacles.



PRIZ-BOT GO2 EDU U1

Features

- | | |
|---|---|
|  Dimensions 70 × 31 × 40 cm |  Weight 15 kg |
|  Payload 8kg (limit ~10kg) |  Max. speed 3.7 m/s |
|  Computing Power 40 TOPS (Jetson Orin Nano 8GB) |  Front Camera Resolution 1280×720 FOV 120° |
|  Maximum gradient and Climbing height 40° and 16 cm |  Obstacle Avoidance 4D-Lidar(360°x90°) |

Included in the pack

- ✓ Label Controller
- ✓ Batteries (15000 mAh)x1
- ✓ Charger
- ✓ Calibrator
- ✓ Remote Controller
- ✓ Real-sense D435i depth camera



PRIZ-BOT GO2 EDU U2

Features

- | | |
|---|---|
|  Dimensions 70 × 31 × 40 cm |  Weight 15 kg |
|  Payload 8kg (limit ~10kg) |  Max. speed 3.7 m/s |
|  Computing Power 100 TOPS (Jetson Orin NX 16GB) |  Front Camera Resolution 1280×720 FOV 120° |
|  Maximum gradient and Climbing height 40° and 16 cm |  Obstacle Avoidance 4D-Lidar(360°x90°) |

Included in the pack

- ✓ Label Controller
- ✓ Batteries (15000 mAh)x1
- ✓ Charger
- ✓ Calibrator
- ✓ Remote Controller
- ✓ Real-sense D435i depth camera



PRIZ-BOT GO2 EDU U3

Features

- | | |
|---|---|
|  Dimensions 70 × 31 × 40 cm |  Weight 15 kg |
|  Payload 8kg (limit ~10kg) |  Max. speed 3.7 m/s |
|  Computing Power 100 TOPS (Jetson Orin NX 16GB) |  Front Camera Resolution 1280×720 FOV 120° |
|  Maximum gradient and Climbing height 40° and 16 cm |  Obstacle Avoidance 4D-Lidar(360°x90°) |

Included in the pack

- ✓ Label Controller
- ✓ Batteries (15000 mAh)x1
- ✓ Charger
- ✓ Calibrator
- ✓ Remote Controller
- ✓ Real-sense D435i depth camera
- ✓ 3D (Mid-360 LiDAR)



PRIZ-BOT GO2 EDU U4

Features

- | | |
|---|---|
|  Dimensions 70 × 31 × 40 cm |  Weight 15 kg |
|  Payload 8kg (limit ~10kg) |  Max. speed 3.7 m/s |
|  Computing Power 100 TOPS (Jetson Orin NX 16GB) |  Front Camera Resolution 1280×720 FOV 120° |
|  Maximum gradient and Climbing height 40° and 16 cm |  Obstacle Avoidance 4D-Lidar(360°x90°) |

Included in the pack

- ✓ Label Controller
- ✓ Batteries (15000 mAh)x1
- ✓ Charger
- ✓ Calibrator
- ✓ Remote Controller
- ✓ Real-sense D435i depth camera
- ✓ 3D (XT16 LiDAR)



PRIZ-BOT GO2 EDU


Key Benefits

- ✓ Excellent value for money
- ✓ ChatGPT integration
- ✓ Integrated 4D LiDAR with hemispherical field of view
- ✓ Ultra-fast: up to 18 km/h
- ✓ Very good autonomy: between 2h and 4h
- ✓ Different ways of remotely operating the robot:
 - Remote control
 - Mobile application
 - Computer
 - Programming and scripting
 - Programming interfaces (API)





PRIZ-BOT GO2-W U1

Features


 **Dimensions**
70cm x 43cm x 50cm


 **Weight**
18 kg

 **Joint Motors**
16

 **Max. speed**
2.5 m/s

 **Computing power**
40 Tops Computing

 **Payload**
3kg(Approx)

 **Maximum gradient
and Climbing height**
35° and 70 cm

 **Obstacle Avoidance**
4D-Lidar(360°x90°)




Included in the pack

- ✓ Label Controller
- ✓ Batteries (15000 mAh)x1
- ✓ Charger
- ✓ Calibrator
- ✓ Remote Controller
- ✓ Real-sense D435i depth camera


PRIZ-BOT GO2-W U2

Features


 **Dimensions**
70cm x 43cm x 50cm


 **Weight**
18 kg

 **Joint Motors**
16

 **Max. speed**
2.5 m/s

 **Computing power**
100 Tops Computing

 **Payload**
3kg(Approx)

 **Maximum gradient
and Climbing height**
35° and 70 cm

 **Obstacle Avoidance**
4D-Lidar(360°x90°)



Included in the pack


- ✓ Label Controller
- ✓ Batteries (15000 mAh)x1
- ✓ Charger
- ✓ Calibrator
- ✓ Remote Controller
- ✓ Real-sense D435i depth camera


PRIZ-BOT GO2-W U3

Features


 **Dimensions**
70cm x 43cm x 50cm


 **Weight**
18 kg

 **Joint Motors**
16

 **Max. speed**
2.5 m/s

 **Computing power**
100 Tops Computing

 **Payload**
3kg(Approx)

 **Maximum gradient
and Climbing height**
35° and 70 cm

 **Obstacle Avoidance**
4D-Lidar(360°x90°)

Included in the pack

- ✓ Label Controller
- ✓ Batteries (15000 mAh)x1
- ✓ Charger
- ✓ Calibrator
- ✓ Remote Controller
- ✓ Real-sense D435i depth camera
- ✓ 3D lidar radar Mid-360





PRIZ-BOT GO2-W U4

Features


 **Dimensions**
70cm x 43cm x 50cm


 **Weight**
18 kg

 **Joint Motors**
16

 **Max. speed**
2.5 m/s

 **Computing power**
100 Tops Computing

 **Payload**
3kg(Approx)

 **Maximum gradient
and Climbing height**
35° and 70 cm

 **Obstacle Avoidance**
4D-Lidar(360°x90°)




Included in the pack


- ✓ Label Controller
- ✓ Batteries (15000 mAh)x1
- ✓ Charger
- ✓ Calibrator
- ✓ Remote Controller
- ✓ Real-sense D435i depth camera
- ✓ 3D lidar radar Hesai XT16

PRIZ-BOT GO2-W U5

Features


 **Dimensions**
70cm x 43cm x 50cm


 **Weight**
18 kg

 **Joint Motors**
16

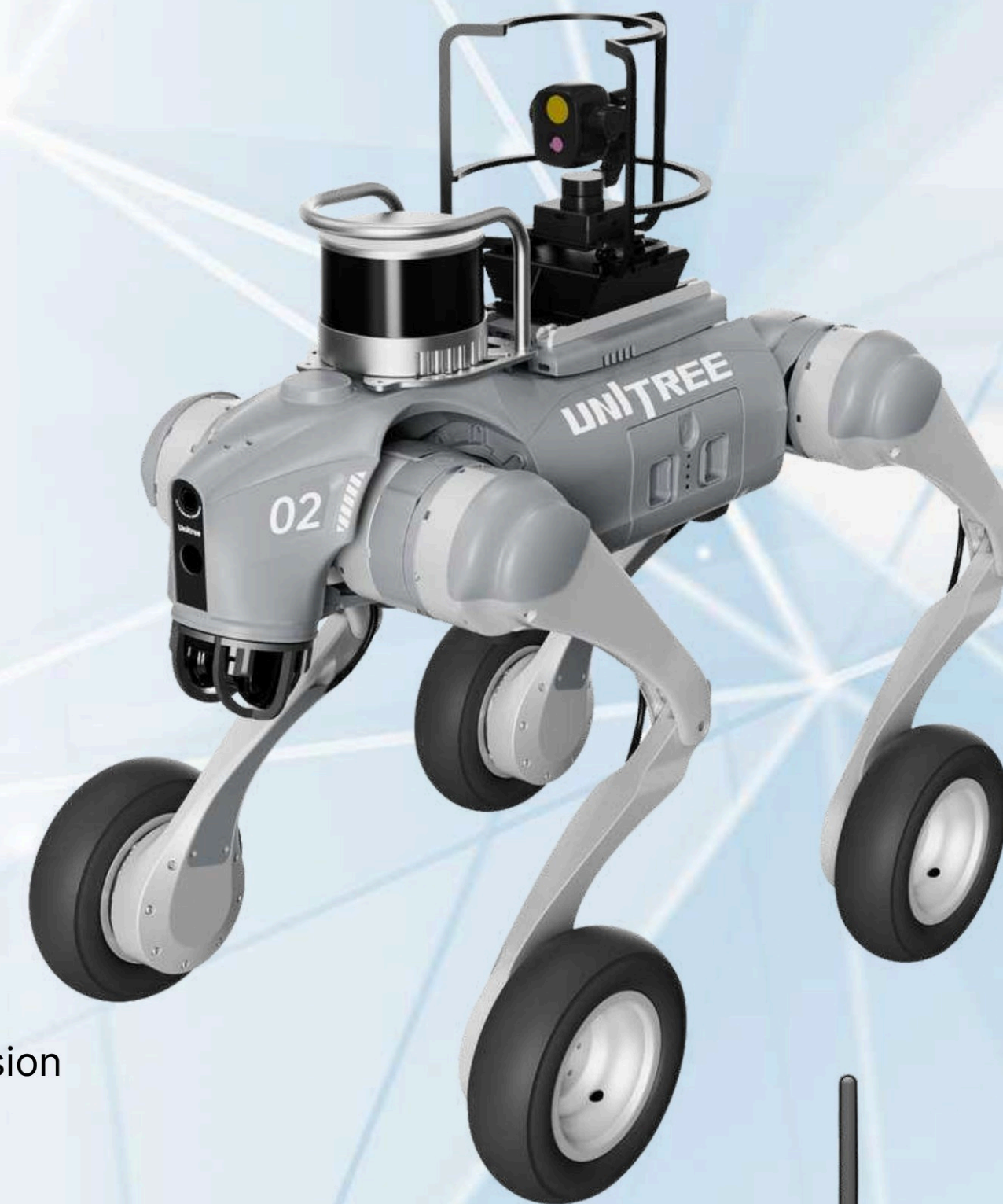
 **Max. speed**
2.5 m/s

 **Computing power**
100 Tops Computing

 **Payload**
3kg(Approx)

 **Maximum gradient
and Climbing height**
35° and 70 cm

 **Obstacle Avoidance**
4D-Lidar(360°x90°)



Included in the pack

- ✓ Label Controller
- ✓ Batteries (15000 mAh)x1
- ✓ Charger
- ✓ Calibrator
- ✓ Remote Controller
- ✓ Real-sense D435i depth camera
- ✓ 3D lidar radar Hesai XT16
- ✓ Dual-optical gimbal: high-precision three-axis stabilization



ACCESSORIES GO2 SPARE PART

1. HANDHELD REMOTE CONTROLLER

1. Charging voltage: 5V
2. Charging current: 2A
3. Frequency: 2.4GHz
4. Communication method: digital transmission module, bluetooth
5. Running time: 4.5h
6. Remote control distance: more than 100m



2. GO2 STANDARD BATTERY

1. Product size: 120mm*80mm*182mm
2. Rated voltage: DC 29.6V
3. Charging limit voltage: DC 33.6V
4. Charging current: 3.5A
5. Rated capacity: 8000mAh, 236.8Wh
6. Executive standard: IS 16046 (Part 2)/IEC 62133-2
7. Self-developed battery management system (BMS)



3. GO2 LONG LIFE BATTERY

1. Product size: 120mm*80mm*182mm
2. Rated voltage: DC 28.8V
3. Charging limit voltage: DC 33.6V
4. Charging current: 9A
5. Rated capacity: 15000mAh, 432Wh
6. Executive standard: IS 16046 (Part 2)/IEC 62133-2
7. Self-developed battery management system (BMS)



4. GO2 STANDARD CHARGER

1. Product size: 210mm*108mm*48.2mm
2. Input power: 100-240V~50/60Hz 4A 350VA
3. Output power: 34.0V, 3.5A, 119.0W
4. Standard battery charging time: 2h
5. Long-life battery charging time: 4h



5. GO2 FAST CHARGER

1. Product size: 210mm*108mm*48.2mm
2. Input power: 100-240V~50/60Hz 4A 350VA
3. Output power: 33.6V, 9.0A, 302.4
4. Standard battery charging time: 0.8h
5. Long-life battery charging time: 1.5h



6. GO2 FOOT PAD

As a consumable part for the GO2.
One set(four units):Leftx2 and Rightx2



7. GO2 CHARGING STATION (WITH FAST CHARGER)

1. Charging voltage: 33.6V
2. Charging current: 9A
3. Working environment temperature: 5°C-40°C
4. Storage temperature: 22°C-28°C
5. Relative humidity: ≤95%



8. GO2 DOCKING STATION (COMPUTING POWER 40TOPS)

1. Power supply voltage range: 16V-60V
2. Expansion interface:
1pc USB3.0-Type A, 2pcs USB3.0-Type C,
2pcs Gigabit Ethernet ports (standard RJ45), 1pc Fast Ethernet (GH1.25-4PIN),
1pc M8 aviation plug interface
3. With 40Tops computing power



9. GO2 DOCKING STATION (COMPUTING POWER 100TOPS)

1. Power supply voltage range: 16V-60V
2. Expansion interface:
1pc USB3.0-Type A, 2pcs USB3.0-Type C,
2pcs Gigabit Ethernet ports (standard RJ45), 1pc Fast Ethernet (GH1.25-4PIN),
1pc M8 aviation plug interface
3. With 100Tops computing power



3D LIDAR MID360

- 1.With metal protection frame
- 2.Includes custom cable
- 3.Power supply voltage range: DC 9-27V
- 4.Laser wavelength: 905nm
- 5.FOV: Horizontal 360°
, Vertical -7°~52°



3D LIDAR XT16

- 1.With metal protection frame
- 2.Includes custom cable
- 3.Power supply voltage range: DC 9-27V
- 4.Laser wavelength: 905nm
- 5.FOV: Horizontal 360°
, Vertical -7°~52°
- 1.With metal protection frame
- 2.Includes custom cable
- 3.Power supply voltage range: DC 9-36V
- 4.Laser wavelength: 905nm
- 5.FOV: Horizontal field of view 360°
, vertical field of view 30° (-15°~+15°)



DEPTH CAMERA

- 1.Brand: Intel
- 2.Model: realsense D435i
- 3.With metal protection frame
- 4.Includes custom cable
- 5.Minimum depth distance: 40cm
- 6.Depth image resolution: 1280*720 @ 30fps; 848*480 @ 90 fps
- 7.Depth of field angle: 86° * 57°



REMOTE CONTROL WITH SCREEN (DUAL CAMERA)

- 1.Display device: 5.5-inch 1080P high-definition bright LCD touch screen
 - 2.System configuration: Android 9.0.2G running memory, 16G storage space
 - 3.Dimensions (antenna folded): 189mm* 138mm*41 mm
 - 4.Weight: 850g
 - 5.Battery capacity and type: 10200 mAh 7.4V 2S ion battery
 - 6.Fast charging protocol: PD 20W
 - 7.Charging time: 5 hours (20W fast charge)
 - 8.Working life: 13 hours
 - 9.functional interface
- Video Output: Standard HDMI*Industry Version Only External Devices: USB-A Charging: Type-C Firmware upgrade: upgrade port (GH1.25 4Pin at the bottom)
File transfer: Type-C/USB-A Mobile network: SIM card slot
External storage: TF card slot/USB-A Tripod fixation: 1/4 threaded hole

REMOTE CONTROL WITH SCREEN (DUAL CAMERA, MEGAPHONE, SEARCHLIGHT, RED AND BLUE STROBE)

- 1.Brand: Intel
- 2.Model: realsense D435i
- 3.With metal protection frame
- 4.Includes custom cable
- 5.Minimum depth distance: 40cm
- 6.Depth image resolution: 1280*720 @ 30fps; 848*480 @ 90 fps
- 7.Depth of field angle: 86° * 57°
- 1.With All The Functions Of Remote control with screen (dual camera)
- 2.Brightness: 3000lm
- 3.Light output angle: 15°
- 4.Power: lighting: 30W, megaphone: 30W, red and blue: 10W
- 5.Sound effective transmission distance: 500M
- 6.Maximum sound transmission distance: 800M
- 7.Maximum sound pressure: 130dB
- 8.Audio format: mp3/wav/m4a/flac/aac
- 9.Control method: remote control with screen
- 10.Function Real-time shouting, recording upload, audio playback, text-to-speech, lighting strobe, lighting constant, lighting brightness adjustment, red and blue strobe, red and blue strobe mode switching



REMOTE CONTROL WITH SCREEN (DUAL CAMERA + 6-WAY 38MM TRANSMITTER)



- 1.With All The Functions Of Remote control with screen (dual camera)
2. Working temperature: -20° to 60°
3. Status feedback: Real-time feedback of each channel status
4. Safety mode: device lock/loading detection/power-on detection. Protection mode: projectile excitation detection system/ballistic body shedding protection module
- 5.Supported ammunition types: 38mm electrically activated smoke bombs, tear gas, detonation bombs, etc.
6. Control method: App (remote control with screen). Auxiliary functions: laser-assisted aiming system. Tilt function: Manually adjustable angle from 0° to 90°
7. Protection device: Magazine safety protection indication system
8. Installation method: fixed/quick-release structure. Shock absorption method: independent spring built-in shock absorption

D1 SERVO ARM

1. Degrees of freedom: 6
2. Load: 500g (ideal weight)
3. Maximum reach
600mm (not including the length of the jaws, there may be small changes in subsequent structural changes) 715mm (including the length of the jaws, subsequent structural changes may have a small range of changes)
4. Power requirements: 24V 2.5A (MAX 5A) 5. Interface: DC5.5-2.1
6. Power: 60W
7. Control interface: control communication interface RJ45 (ETH)
8. Joint parameters J1 $\pm 135^\circ$
J2 $\pm 90^\circ$
J3 $\pm 90^\circ$
J4 $\pm 135^\circ$
J5 $\pm 90^\circ$
J6 $\pm 135^\circ$



CONTACT INFORMATION



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THANK YOU!