A	utoXing® AX1612 MARS Sm	art Restaurant Robot
Picture		
Basics	Height Size Weight Exterior material	1290mm 580*490mm 66kg Flame Resistance ABS
Layer	Tray Layer height Detachable Size	4 tiers 200mm Yes 430'400mm
Use Environment	Load Water-proof & Dust-proof Working life	Each layer 10-20kg Whole body IP43, battery IP66 8h/day, 5years, 63072km
	Operating temperature Storage temperature Charging temperature	-10 °C ~ 65 °C; UV resistance; Corrosion resistant -20°C~65°C 5-40°C (indoor)
Display		1 inch, MIPI, 1280*720
Advertising Screen		nch, EDP, 1920*1080
	4G 5G	Support FDD B1/B3/B5/B8,TDD B38/39/30/41 Supported, need to add 5G accessories
Network Communication	WIFI	Wifi module (AP6256) 2.4G&5GHz, support 802.11a/b/g/n/ac protocal
os	,	Android 8.1+ Linux
	Ultrasonic sensor*2	Detect glass and other transparent materials
		detect more obstacles with a certain height that
Sensors	RGBD camera*2	cannot be detected by LiDAR
	LiDAR*1	Detect obstacles with a certain height in 360
		215°FOV, resolution 640*480, capture visual
	Fisheye camera*1	features of the environment
		Charging voltage: 24V
	Battery	Capacity: 15Ah Duration: 10h 7*24h service can be achieved with the charging
Charging & Battery Life		Time to fully charge: 4h
enalging a Pattery Lite	Adapter	Working voltage: 100~240VAC, 50/60Hz
	Charging pile	Size: 375mm*160mm*355mm
		Weight: 4.35kg
		Input: 100-240V~50/60 Hz Output: 29.4V==7.0A
		Support SLAM algorithm
		Sampling frequency: 4500 times/s
LIDAR	Lidar	
Lidar	LiDAR	Measuring range: 10m
Lidar	Lidar	Measuring range: 10m Scanning speed: 10Hz
	LiDAR Visual recognition	Measuring range: 10m
LiDAR		Measuring range: 10m Scanning speed: 10Hz Scanning scope: 360° (6m-12m)
	Visual recognition RGBD	Measuring range: 10m Scanning speed: 10Hz Scanning scope: 360° (6m-12m) FOV166° Fisheye Camera×1 1.5m Realsense D410(Intel)Camera x2
	Visual recognition	Measuring range: 10m Scanning speed: 10Hz Scanning scope: 360° (6m-12m) FOV166° Fisheye Camera×1 1.5m Realsense D410(Intel)Camera x2 ARM® Cortex™-dual core Cortex-A72 1.8/2.0GHz;
	Visual recognition RGBD GPU	Measuring range: 10m Scanning speed: 10Hz Scanning scope: 360° (6m-12m) FOV166° Fisheye Camera×1 1.5m Realsense D410(Intel)Camera x2
	Visual recognition RGBD	Measuring range: 10m Scanning speed: 10Hz Scanning scope: 360° (6m-12m) FOV166° Fisheye Camera×1 1.5m Realsense D410(Intel)Camera x2 ARM® Cortex™-dual core Cortex-A72 1.8/2.0GHz; quad-core Cortex-A53 1.4GHz
	Visual recognition RGBD GPU	Measuring range: 10m Scanning speed: 10Hz Scanning scope: 360° (6m-12m) FOV166° Fisheye Camera×1 1.5m Realsense D410(Intel)Camera x2 ARM® Cortex™-dual core Cortex-A72 1.8/2.0GHz; quad-core Cortex-A53 1.4GHz 4GB
	Visual recognition RGBD GPU Ram Rom DSP	Measuring range: 10m Scanning speed: 10Hz Scanning scope: 360° (6m-12m) FOV166° Fisheye Camera×1 1.5m Realsense D410(Intel)Camera x2 ARM® Cortex™-dual core Cortex-A72 1.8/2.0GHz, quad-core Cortex-A53 1.4GHz 4GB binary channels LPDDR4 32GB high speed eMMC Rasberrypi CM4
	Visual recognition RGBD GPU Ram Rom	Measuring range: 10m Scanning speed: 10Hz Scanning scope: 360° (6m-12m) FOV166° Fisheye Camera×1 1.5m Realsense D410(Intel)Camera×2 ARM® Cortex™-dual core Cortex-A72 1.8/2.0GHz; quad-core Cortex-A53 1.4GHz 4GB binary channels LPDDR4 32GB high speed eMMC Rasberrypi CM4 ARM® Cortex™-dual core Cortex-A72 1.8/2.0GHz;
Visual	Visual recognition RGBD GPU Ram Rom DSP	Measuring range: 10m Scanning speed: 10Hz Scanning scope: 360° (6m-12m) FOV166° Fisheye Camera×1 1.5m Realsense D410(Intel)Camera×1 quad-core Cortex-A72 quad-core Cortex-A73 1.4GB binary channels LPDDR4 32GB high speed eMMC Rasberrypi CM4 ARM® Cortex™-dual core Cortex-A72 ARM® Mail-T860MP4 GPU
Visual	Visual recognition RGBD GPU Ram Rom DSP	Measuring range: 10m Scanning speed: 10Hz Scanning scope: 360° (6m-12m) FOV166° Fisheye Camera×1 1.5m Realsense D410(Intel)Camera x2 ARM® Cortex™-dual core Cortex-A72 1.8/2.0GHz; quad-core Cortex-A53 1.4GHz 4GB binary channels LPDDR4 32GB high speed eMMC Rasberrypi CM4 ARM® Cortex™-dual core Cortex-A72 1.8/2.0GHz; QRB binary channels LPDDR4 32GB high speed eMMC Rasberrypi CM4 ARM® Mail-T860MP4 GPU OpenGL ES 1.1/2.0/3.0,OpenCL1.2,Directx11
Visual	Visual recognition RGBD GPU Ram Rom DSP CPU	Measuring range: 10m Scanning speed: 10Hz Scanning scope: 360° (6m-12m) FOV166° Fisheye Camera×11.5m Realsense D410(Intel)Camera x2 ARM® Cortex™-dual core Cortex-A72 1.8/2.0GHz; quad-core Cortex-A53 1.4GHz 4GB binary channels LPDDR4 32GB high speed eMMC Rasberrypi CM4 ARM® Cortex™-dual core Cortex-A72 1.8/2.0GHz; ARM® Mail-T860MP4 GPU OpenGL ES 1.1/2.0/30.00penCl 1.2,Directx11 Embedded high performance 2D acceleration
Visual	Visual recognition RGBD GPU Ram Rom DSP	Measuring range: 10m Scanning speed: 10Hz Scanning scope: 360° (6m-12m) FOV166° Fisheye Camera×1 1.5m Realsense D410(Intel)Camera x2 ARM® Cortex™-dual core Cortex-A72 1.8/2.0GHz; quad-core Cortex-A53 1.4GHz 4GB binary channels LPDDR4 32GB high speed eMMC RatM® Cortex™-dual core Cortex-A72 1.8/2.0GHz; 4RM® Cortex™-dual core Cortex-A72 1.8/2.0GHz; ARM® Mail-T860MP4 GPU OpenGL ES 1.1/2.0/3.0,OpenCL 1.2,Directx11 Embedded high performance 2D acceleration H.264/H.265 decoder supports 10bit decoding
Visual	Visual recognition RGBD GPU Ram Rom DSP CPU	Measuring range: 10m Scanning speed: 10Hz Scanning scope: 360° (6m-12m) FOV166° Fisheye Camera×11.5m Realsense D410(Intel)Camera x2 ARM® Cortex™-dual core Cortex-A72 1.8/2.0GHz; quad-core Cortex-A53 1.4GHz 4GB binary channels LPDDR4 32GB high speed eMMC Rasberrypi CM4 ARM® Cortex™-dual core Cortex-A72 1.8/2.0GHz; ARM® Mail-T860MP4 GPU OpenGL ES 1.1/2.0/30.00penCl.12,Directx11 Embedded high performance 2D acceleration H.264/H.265 decoder supports 10bit decoding 1080P multi-format video decoding, support H.264/
Visual	Visual recognition RGBD GPU Ram Rom DSP CPU Image processing	Measuring range: 10m Scanning scope: 360° (6m-12m) FOV166° Fisheye Camera×1 1.5m Realsense D410(Intel)Camera×1 ARM® Cortex™-dual core Cortex-A72 1.8/2.0GHz; quad-core Cortex-A53 1.4GHz 4GB binary channels LPDDR4 32GB high speed eMMC RAM® Cortex™-dual core Cortex-A72 1.8/2.0GHz; quad-core Cortex-A72 1.8/2.0GHz; 4GB binary channels LPDDR4 32GB high speed eMMC Rasberrypi CM4 ARM® Cortex™-dual core Cortex-A72 1.8/2.0GHz; ARM® Mail-T860MP4 GPU OpenGL ES 1.1/2.0/3.0,OpenCL1.2,Direck111 Embedded high performance 2D acceleration H.264/H.265/VP9 up to4Kxc2K@60fps H.264/H.265/VP9 up to4Kxc2K@60fps H.264/H.265/WP9 up to4Kxc2K@60fps WP8 and MVC
Visual	Visual recognition RGBD GPU Ram Rom DSP CPU	Measuring range: 10m Scanning speed: 10Hz Scanning scope: 360° (6m-12m) FOV166° Fisheye Camera×1 1.5m Realsense D410(Intel)Camera x2 ARM® Cortex™-dual core Cortex-A72 1.8/2.0GHz; quad-core Cortex-A53 1.4GHz 4GB binary channels LPDDR4 32GB high speed eMMC RAM® Cortex™-dual core Cortex-A72 1.8/2.0GHz; ARM® Mail-T860MP4 GPU OpenGL ES 1.1/2.0/3.0,OpenCL1.2,Directx11 Embedded high performance 2D acceleration H.264/H.265/VP9 up to4KxXE@60fps H.264/H.265/VP9 up to4KxXE@60fps H.264/H.265/VP9 up to4KxXE@60fps H.264/H.265/VP9 up to4KxXE@60fps H.264/H.265/VP3 decoder supports 10bit decoding 1080P multi-format video decoding, support H.264, VP8 and MVC LED
Visual	Visual recognition RGBD GPU Ram Rom DSP CPU Image processing	Measuring range: 10m Scanning speed: 10Hz Scanning scope: 360° (6m-12m) FOV166° Fisheye Camera×11.5m Realsense D410(Intel)Camera x2 ARM® Cortex™-dual core Cortex-A72 1.8/2.0GHz; quad-core Cortex-A53 1.4GHz 4GB binary channels LPDDR4 32GB high speed eMMC Rasberrypi CM4 ARM® Cortex™-dual core Cortex-A72 1.8/2.0GHz; ARM® Mail-T860MP4 GPU OpenGL ES 1.1/2.0/30.0penC1.1.2,Directx11 Embedded high performance 2D acceleration H.264/H.265 decoder supports 10bit decoding 1080P multi-format video decoding, support H.264, VP8 and MVC LED Located at the top of the device, press it to trigger;
Visual	Visual recognition RGBD GPU Ram Rom DSP CPU Image processing LED Emergency stop	Measuring range: 10m Scanning speed: 10Hz Scanning scope: 360° (6m-12m) FOV166° Fisheye Camera×1 1.5m Realsense D410(Intel)Camera×1 Quad-core Cortex-A72 1.8/2.0GHz; quad-core Cortex-A53 1.4GHz 4GB binary channels LPDDR4 32GB high speed eMMC RaM® Cortex™-dual core Cortex-A72 1.8/2.0GHz; Quad-core Cortex-A72 1.8/2.0GHz; 4GB binary channels LPDDR4 32GB high speed eMMC Rasberrypi CM4 ARM® Mail-T860MP4 GPU OpenGL ES 1.1/2.0/3.0,OpenCL1.2,Direck111 Embedded high performance 2D acceleration H.264/H.265/VP9 up to4Kx2K@60fps H.264/H.265/VP9 up to4Kx2K@60fps H.264/H.265/VP9 and MVC LED Located at the top of the device, press it to trigger; Rotate to the right to release
Visual	Visual recognition RGBD GPU Ram DSP CPU Image processing	Measuring range: 10m Scanning speed: 10Hz Scanning scope: 360° (6m-12m) FOV166° Fisheye Camera×11.5m Realsense D410(Intel)Camera x2 ARM® Cortex™-dual core Cortex-A72 1.8/2.0GHz; quad-core Cortex-A53 1.4GHz 4GB binary channels LPDDR4 32GB high speed eMMC Rasberrypi CM4 ARM® Cortex™-dual core Cortex-A72 1.8/2.0GHz; ARM® Mail-T860MP4 GPU OpenGL ES 1.1/2.0/30.0penC1.1.2,Directx11 Embedded high performance 2D acceleration H.264/H.265 decoder supports 10bit decoding 1080P multi-format video decoding, support H.264, VP8 and MVC LED Located at the top of the device, press it to trigger;
Visual	Visual recognition RGBD GPU Ram Rom DSP CPU Image processing LED Emergency stop Speaker	Measuring range: 10m Scanning scope: 360° (6m-12m) FOV166° Fisheye Camera×1 1.5m Realsense D410(Intel)Camera x2 ARM® Cortex™-dual core Cortex-A72 1.8/2.0GHz; quad-core Cortex-A53 1.4GHz 4GB binary channels LPDDR4 32GB high speed eMMC RAM® Cortex™-dual core Cortex-A72 1.8/2.0GHz; 4GB binary channels LPDDR4 32GB high speed eMMC RAM® Mail-T860MP4 GPU OpenGL ES 1.1/2.0/3.0,OpenCL1.2,Directx11 Embedded high performance 2D acceleration H.264/H.265/VP9 up to4KX2K@60fps H.264/H.265/VP9 up to4KX2K@60fps H.264/H.265/VP9 up to4KX2K@60fps L64/H.265/VP9 up to4Kx2K@60fps L64/H.265/VP9 up to4Kx2K@60fps H.264/H.265/VP9 up to4Kx2K@60fps LED Located at the top of the device, press it to trigger; Rotate to the right to release 8Ω15W
Visual	Visual recognition RGBD GPU Ram Rom DSP CPU Image processing LED Emergency stop Speaker Velocity Whether support outdoor operation	Measuring range: 10m Scanning sceed: 10Hz Scanning score: 360° (6m-12m) FOV166° Fisheye Camera×1 1.5m Realsense D410(Intel)Camera x2 ARM® Cortex™-dual core Cortex-A72 1.8/2.0GHz; quad-core Cortex-A53 1.4GHz 4GB binary channels LPDDR4 32GB high speed eMMC Ratweet ™-dual core Cortex-A72 1.8/2.0GHz; ARM® Cortex™-dual core Cortex-A72 1.8/2.0GHz; ARM® Cortex™-dual core Cortex-A72 1.8/2.0GHz; ARM® Cortex™-dual core Cortex-A72 1.8/2.0GHz; ARM® Mail-T860MP4 GPU OpenGL ES 1.1/2.0/3.0,OpenCL1.2,Directx11 Embedded high performance 2D acceleration H.264/H.265/VP9 up to4Kx2K@60fps H.264/H.265/VP9 up to4Kx2K@00fps L620 Located at the top of the device, press it to trigger; Rotate to the right to release 8Ω15W 0.3-1.2m/s It can be used in the park zone that meets certain requirements.
Visual	Visual recognition RGBD GPU Ram Rom DSP CPU Image processing LED Emergency stop Speaker Velocity Whether support outdoor operation Obstacle climbing	Measuring range: 10m Scanning scope: 360° (6m-12m) FOV166° Fisheye Camera×11.5m Realsense D410(Intel)Camera x2 ARM® Cortex™-dual core Cortex-A72 1.8/2.0GHz; quad-core Cortex-A53 1.4GHz 4GB binary channels LPDDR4 32GB high speed eMMC Rasberrypi CM4 ARM® Cortex™-dual core Cortex-A72 1.8/2.0GHz; Qued-core Cortex-A72 1.8/2.0GHz; Qued core Cortex-A72 1.8/2.0GHz; ARM® Cortex™-dual core Cortex-A72 1.8/2.0GHz; ARM® Mail-T860MP4 GPU OpenGL ES 1.1/2.0/3.0,OpenCl.1.2,Directx11 Embedded high performance 2D acceleration H.264/H.265/VP9 up to4Kx2K@60fps H.264/H.265/VP9 up to4Kx2K@60fps H.264/H.265/VP9 up to4Kx2K@60fps Located at the top of the device, press it to trigger; Rotate to the right to release 8Ω15W 0.3-1.2m/s It can be used in the park zone that meets certain requirements. 17mm
Visual	Visual recognition RGBD GPU Ram Rom DSP CPU Image processing LED Emergency stop Speaker Velocity Whether support outdoor operation Obstacle climbing Slope climbing	Measuring range: 10m Scanning speed: 10Hz Scanning scope: 360° (6m-12m) FOV166° Fisheye Camera×1 1.5m Realsense D410(Intel)Camera×1 Quad-core Cortex-A72 1.8/2.0GHz; quad-core Cortex-A53 1.4GHz 4GB binary channels LPDDR4 32GB high speed eMMC RAM® Cortex™-dual core Cortex-A72 1.8/2.0GHz; ARM® Cortex™-dual core Cortex-A72 1.8/2.0GHz; ARM® Cortex™-dual core Cortex-A72 1.8/2.0GHz; ARM® Mail-T860MP4 GPU OpenGL ES 1.1/2.0/3.0,OpenCL1.2,Direck11 Embedded high performance 2D acceleration H.264/H.265/VP9 up to4Kx2K@60fps H.264/H.265/VP9 up to4Kx2K@60fps H.264/H.265/VP9 up to4Kx2K@60fps Located at the top of the device, press it to trigger; Rotate to the right to release 8Ω15W 0.3-1.2m/s It can be used in the park zone that meets certain requirements. 17mm 8°
Visual Control Firmware	Visual recognition RGBD GPU Ram Rom DSP CPU Image processing LED Emergency stop Speaker Velocity Whether support outdoor operation Obstacle climbing	Measuring range: 10m Scanning scope: 360° (6m-12m) FOV166° Fisheye Camera×1 1.5m Realsense D410(Intel)Camera x2 ARM® Cortex™-dual core Cortex-A72 1.8/2.0GHz; quad-core Cortex-A53 1.4GHz 4GB binary channels LPDDR4 32GB high speed eMMC RARM® Cortex™-dual core Cortex-A72 1.8/2.0GHz; ARM® Cortex™-dual core Cortex-A72 1.8/2.0GHz; ARM® Cortex™-dual core Cortex-A72 1.8/2.0GHz; ARM® Main-T860MP4 GPU OpenGL ES 1.1/2.0/3.0,OpenCL1.2,Directx11 Embedded high performance 2D acceleration H.264/H.265/VP9 up to4Kx2K@60fps LED Located at the top of the device, press it to trigger; Rotate to the right to release 8Ω15W 0.3-1.2m/s It can be used in the park zone that meets certain requirements. 17mm 8° 30mm
Visual Control Firmware	Visual recognition RGBD GPU Ram Rom DSP CPU Image processing LED Emergency stop Speaker Velocity Whether support outdoor operation Obstacle climbing Slope climbing	Measuring range: 10m Scanning scope: 360° (6m-12m) FOV166° Fisheye Camera×11.5m Realsense D410(Intel)Camera x2 ARM® Cortex™-dual core Cortex-A72 1.8/2.0GHz; quad-core Cortex-A53 1.4GHz 4GB binary channels LPDDR4 32GB high speed eMMC Rasberrypi CM4 ARM® Cortex™-dual core Cortex-A72 1.8/2.0GHz; Qued-core Cortex-A72 1.8/2.0GHz; ARM® Cortex™-dual core Cortex-A72 1.8/2.0GHz; ARM® Mail-T860MP4 GPU OpenGL ES 1.1/2.0/3.0,OpenC1.1.2,Directx11 Embedded high performance 2D acceleration H.264/H.265/VP9 up to4Kx2K@60fps H.264/H.265/VP9 up to4Kx2K@60fps H.264/H.265/VP9 up to4Kx2K@60fps Located at the top of thre device, press it to trigger; Rotate to the right to release 8Ω15W 0.3-1.2m/s It can be used in the park zone that meets certain requirements. 17mm 8° 30mm The passing width of the robot should be no less
Visual Control Firmware	Visual recognition RGBD GPU Ram Rom DSP CPU Image processing LED Emergency stop Speaker Velocity Whether support outdoor operation Obstacle climbing Slope climbing Floor gap width	Measuring range: 10m Scanning sceed: 10Hz Scanning score: 360° (6m-12m) FOV166° Fisheye Camera×1 1.5m Realsense D410(Intel)Camera x2 ARM® Cortex™-dual core Cortex-A72 1.8/2.0GHz quad-core Cortex-A53 1.4GHz 4GB binary channels LPDDR4 32GB high speed eMMC Rasberrypi CM4 ARM® Cortex™-dual core Cortex-A72 1.8/2.0GHz ARM® Mail-T860MP4 GPU OpenGL ES 1.1/2.0/3.0,OpenCL1.2,Directx11 Embedded high performance 2D acceleration H.264/H.265/VP9 up to4Xx2K@60fps H.264/H.265/VP9 up to4Xx2K@60fps H.264/H.265/VP9 up to4Xx2K@60fps LED Located at the top of the device, press it to trigger; Rotate to the right to release 8Ω15W 0.3-1.2m/s It can be used in the park zone that meets certain requirements. 17mm 8° 30mm
Visual Control Firmware	Visual recognition RGBD GPU Ram Rom DSP CPU Image processing LED Emergency stop Speaker Velocity Whether support outdoor operation Obstacle climbing Slope climbing Floor gap width Passage width	Measuring range: 10m Scanning speed: 10Hz Scanning scope: 360° (6m-12m) FOV166° Fisheye Camera×1 1.5m Realsense D410(Intel)Camera×1 Quad-core Cortex-A72 quad-core Cortex-A72 quad-core Cortex-A73 1.4GB binary channels LPDDR4 32GB high speed eMMC RaM® Cortex™-dual core Cortex-A72 ARM® Cortex™-dual core Cortex-A72 ARM® Cortex™-dual core Cortex-A72 ARM® Mail-T860MP4 GPU OpenGL ES OpenGL ES LS64/H.265/VP9 up to4Kx2K@60fps H.264/H.265/VP9 up to4Kx2K@60fps H.264/H.265/VP9 up to4Kx2K@60fps Located at the top of the device, press it to trigger; Rotate to the right to release 8Ω15W 0.3-1.2m/s It can be used in the park zone that meets certain requirements. 17mm 8° 30mm The passing width of the robot should be no less than 70cm
Visual Control Firmware	Visual recognition RGBD GPU Ram DSP CPU Image processing LED Emergency stop Speaker Velocity Whether support outdoor operation Obstacle climbing Slope climbing Floor gap width Passage width Elevator width Gate width	Measuring range: 10m Scanning scope: 360° (6m-12m) FOV166° Fisheye Camera×11.5m Realsense D410(Intel)Camera x2 ARM® Cortex™-dual core Cortex-A72 1.8/2.0GHz; quad-core Cortex-A53 1.4GHz 4GB binary channels LPDDR4 32GB high speed eMMC RAM® Cortex™-dual core Cortex-A72 1.8/2.0GHz; ARM® Cortex™-dual core Cortex-A72 1.8/2.0GHz; ARM® Mail-T860MP4 GPU OpenGL ES 1.1/2.0/3.0,OpenCL1.2,Directx11 Embedded high performance 2D acceleration H.264/H.265/VP9 up to4Kx2K@60fps H.264/H.265/VP9 up to4Kx2K@60fps L620 multi-format video decoding, support H.264, VP8 and MVC LED Located at the top of the device, press it to trigger; Rotate to the right to release 8Ω15W 0.3-1.2m/s It can be used in the park zone that meets certain requirements. 17mm 8° 30mm The passing width of the robot should be no less than 70cm 75cm+
Visual Control Firmware	Visual recognition RGBD GPU Ram Rom DSP CPU Image processing LED Emergency stop Speaker Velocity Whether support outdoor operation Obstacle climbing Slope climbing Floor gap width Passage width	Measuring range: 10m Scanning speed: 10Hz Scanning scope: 360° (6m-12m) FOV166° Fisheye Camera×11.5m Realsense D410(Intel)Camera x2 ARM® Cortex™-dual core Cortex-A72 1.8/2.0GHz; quad-core Cortex-A53 1.4GHz 4GB binary channels LPDDR4 32GB high speed eMMC Rasberrypi CM4 ARM® Cortex™-dual core Cortex-A72 1.8/2.0GHz; ARM® Mail-T860MP4 GPU OpenGL ES 1.1/2.0/3.0,00penC1.1.2,Directx11 Embedded high performance 2D acceleration H.264/H.265/VP9 up to4Kx2K@00fps H.264/H.265 decoder supports 10bit decoding 1080P multi-format video decoding, support H.264, VP8 and MVC LED Located at the top of the device, press it to trigger; Rotate to the right to release 8015W 0.3-1.2m/s It can be used in the park zone that meets certain requirements. 17mm 8° 30mm The passing width of the robot should be no less than 70cm 75cm+
Visual Control Firmware	Visual recognition RGBD GPU Ram Rom DSP CPU Image processing LED Emergency stop Speaker Velocity Whether support outdoor operation Obstacle climbing Slope climbing Floor gap width Passage width Elevator width Gate width	Measuring range: 10m Scanning speed: 10Hz Scanning scope: 360° (6m-12m) FOV166° Fisheye Camera×11.5m Realsense D410(Intel)Camera x2 ARM® Cortex™-dual core Cortex-A72 1.8/2.0GHz; quad-core Cortex-A53 1.4GHz 4GB binary channels LPDDR4 32GB high speed eMMC Rasberrypi CM4 ARM® Cortex™-dual core Cortex-A72 1.8/2.0GHz; quad-core Cortex-A72 1.8/2.0GHz; ARM® Mail-T860MP4 GPU OpenGL ES 1.1/2.0/3.0,OpenC1.1.2,Directx11 Embedded high performance 2D acceleration H.264/H.265/VP9 up to4Kx2K@60fps H.264/H.265/VP9 up to4Kx2K@60fps H.264/H.265/VP9 up to4Kx2K@60fps Located at the top of the device, press it to trigger; Rotate to the right to release 8Ω15W 0.3-1.2m/s It can be used in the park zone that meets certain requirements. 17mm 8° 30mm The passing width of the robot should be no less than 70cm 75cm+ 75cm+ APP remote management. Use the app program to
Visual Control Firmware	Visual recognition RGBD GPU Ram DSP CPU Image processing LED Emergency stop Speaker Velocity Whether support outdoor operation Obstacle climbing Slope climbing Floor gap width Passage width Elevator width Gate width	Measuring range: 10m Scanning speed: 10Hz Scanning scope: 360° (6m-12m) FOV166° Fisheye Camera×11.5m Realsense D410(Intel)Camera x2 ARM® Cortex™-dual core Cortex-A72 1.8/2.0GHz; quad-core Cortex-A53 1.4GHz 4GB binary channels LPDDR4 32GB high speed eMMC RAR® Cortex™-dual core Cortex-A72 1.8/2.0GHz; quad-core Cortex-A72 1.8/2.0GHz; ARM® Cortex™-dual core Cortex-A72 1.8/2.0GHz; ARM® Mail-T860MP4 GPU OpenGL ES 1.1/2.0/3.0,OpenCL1.2,Direck11 Embedded high performance 2D acceleration H.264/H.265/VP9 up to4Kx2K@60fps H.264/H.265/VP9 up to4Kx2K@60fps H.264/H.265/VP9 up to4Kx2K@60fps Located at the top of the device, press it to trigger; Rotate to the right to release 8Ω15W 0.3-1.2m/s It can be used in the park zone that meets certain requirements. 17mm 8° 30mm The passing width of the robot should be no less than 70cm 75cm+ APP remote management. Use the app program to send robot task, visualize task statistics functions.
Visual Control Firmware	Visual recognition RGBD GPU Ram DSP CPU Image processing LED Emergency stop Speaker Velocity Whether support outdoor operation Obstacle climbing Slope climbing Floor gap width Passage width Elevator width Gate width APP Robot management platform	Measuring range: 10m Scanning speed: 10Hz Scanning scope: 360° (6m-12m) FOV166° Fisheye Camera×1 1.5m Realsense D410(Intel)Camera×1 quad-core Cortex-A72 quad-core Cortex-A72 quad-core Cortex-A73 1.4GB binary channels LPDDR4 32GB high speed eMMC Rasberrypi CM4 ARM® Cortex™-dual core Cortex-A72 ARM® Mail-T860MP4 GPU OpenGL ES OpenGL ES L264/H.265/VP9 up to4Kx2K@60fps H.264/H.265/VP9 up to4Kx2K@60fps H.264/H.265/VP9 up to4Kx2K@60fps L264/H.265/VP9 up to4Kx2K@60fps H.264/H.265/VP9 up to4Kx2K@60fps I.264/H.265/VP9 up to4Kx2K@60fps H.264/H.265/VP9 up to4Kx2K@60fps H.264/H.265/VP9 up to4Kx2K@60fps I.264/H.265/VP9 up to4Kx2K@60fps I.264/H.265/VP9 up to4Kx2K@60fps I.264/H.265/VP9 up to4Kx2K@60fps I.264/H.265/VP9 up to4Kx2K@60fps I.264/H
Visual Control Firmware Performance	Visual recognition RGBD GPU Ram Rom DSP CPU Image processing LED Emergency stop Speaker Velocity Whether support outdoor operation Obstacle climbing Slope climbing Floor gap width Passage width Elevator width Gate width	Measuring range: 10m Scanning scope: 360° (6m-12m) FQV166° Fisheye Camera×11.5m Realsense D410(Intel)Camera x2 ARM® Cortex™-dual core Cortex-A72 1.8/2.0GHz; quad-core Cortex-A53 1.4GHz 4GB binary channels LPDDR4 32GB high speed eMMC Rasberrypi CM4 ARM® Cortex™-dual core cortex-A72 1.8/2.0GHz; Qued-core Cortex-A72 1.8/2.0GHz; ARM® Cortex™-dual core cortex-A72 1.8/2.0GHz; ARM® Cortex™-dual core cortex-A72 1.8/2.0GHz; ARM® Cortex™-dual core cortex-A72 1.8/2.0GHz; ARM® Mail-T860MP4 GPU OpenGL ES 1.1/2.0/3.0,OpenC1.2,Directx11 Embedded high performance 2D acceleration H.264/H.265/VP9 up to4Kx2K@60fps H.264/H.265/VP9 up to4Kx2K@60fps H.264/H.265/VP9 up to4Kx2K@60fps H.264/H.265/VP3 up to4Kx2K@60fps It can be used in the park zone that meets certain requirements. 17mm 8° 30mm
Visual Control Firmware	Visual recognition RGBD GPU Ram DSP CPU Image processing LED Emergency stop Speaker Velocity Whether support outdoor operation Obstacle climbing Slope climbing Slope dimbing Floor gap width Passage width Elevator width Gate width APP Robot management platform	Measuring range: 10m Scanning scope: 360° (6m-12m) FOV166° Fisheye Camera×11.5m Realsense D410(Intel)Camera x2 ARM® Cortex™-dual core Cortex-A72 1.8/2.0GHz; quad-core Cortex-A53 1.4GHz 4GB binary channels LPDDR4 32GB high speed eMMC Rake Cortex™-dual core Cortex-A72 1.8/2.0GHz; quad-core Cortex-A72 1.8/2.0GHz; ARM® Cortex™-dual core Cortex-A72 1.8/2.0GHz; ARM® Mail-T860MP4 GPU OpenGL ES 1.1/2.0/3.0,OpenCL1.2,Direck11 Embedded high performance 2D acceleration H.264/H.265/VP9 up to4Kx2K@60fps H.264/H.265/VP9 up to4Kx2K@60fps H.264/H.265/VP9 up to4Kx2K@60fps Located at the top of the device, press it to trigger; Rotate to the right to release 8Ω15W 0.3-1.2m/s It can be used in the park zone that meets certain requirements. 17mm 8° 30mm The passing width of the robot should be no less than 70cm 75cm+ 75cm+ APP remote management. Use the app program to send robot task, visualize task statistics functions. Authorization allocation and business management of robot users; Operational data Real-time status monitoring; Real-time fault alarm
Visual Control Firmware Performance	Visual recognition RGBD GPU Ram DSP CPU Image processing LED Emergency stop Speaker Velocity Whether support outdoor operation Obstacle climbing Slope climbing Floor gap width Passage width Elevator width Gate width APP Robot management platform	Measuring range: 10m Scanning speed: 10Hz Scanning scope: 360° (6m-12m) FOV166° Fisheye Camera×1 1.5m Realsense D410(Intel)Camera×1 quad-core Cortex-A72 1.8/2.0GHz; quad-core Cortex-A73 1.4GHz 4GB binary channels LPDDR4 32GB high speed eMMC Rak® Cortex™-dual core Cortex-A72 1.8/2.0GHz; quad-core Cortex-A72 1.8/2.0GHz; ARM® Cortex™-dual core Cortex-A72 1.8/2.0GHz; ARM® Mail-T860MP4 GPU OpenGL ES 1.1/2.0/3.0,OpenCL1.2,Direck11 Embedded high performance 2D acceleration H.264/H.265/VP9 up to4Kx2K@60fps H.264/H.265/VP9 up to4Kx2K@60fps H.264/H.265/VP9 up to4Kx2K@60fps Located at the top of the device, press it to trigger; Rotate to the right to release 8015W 0.3-1.2m/s It can be used in the park zone that meets certain requirements. 17mm 8° 30mm The passing width of the robot should be no less than 70cm 75cm+ APP remote management. Use the app program to send robot task, visualize task statistics functions. Authorization allocation a
Visual Control Firmware Performance	Visual recognition RGBD GPU Ram Rom DSP CPU Image processing LED Emergency stop Speaker Velocity Whether support outdoor operation Obstacle climbing Slope climbing Floor gap width Passage width Elevator width Gate width APP Robot management platform Remote deployment	Measuring range: 10m Scanning speed: 10Hz Scanning scope: 360° (6m-12m) FOV166° Fisheye Camera×1 1.5m Realsense D410(Intel)Camera x2 ARM® Cortex™-dual core Cortex-A72 1.8/2.0GHz; quad-core Cortex-A53 1.4GHz 4GB binary channels LPDDR4 32GB high speed eMMC Rasberrypi CM4 ARM® Cortex™-dual core Cortex-A72 1.8/2.0GHz; ARM® Mail-T860MP4 GPU OpenGL ES 1.1/2.0/3.0,OpenC1.2,Directx11 Embedded high performance 2D acceleration H.264/H.265 decoder supports 10bit decoding 1080P multi-format video decoding, support H.264, VP8 and MVC LED Located at the top of the device, press it to trigger; Rotate to the right to release 8015W 0.3-1.2m/s It can be used in the park zone that meets certain requirements. 17mm 8° 30mm The passing width of the robot should be no less than 70cm 75cm+
Visual Control Firmware Performance	Visual recognition RGBD GPU Ram Rom DSP CPU Image processing LED Emergency stop Speaker Velocity Whether support outdoor operation Obstacle climbing Floor gap width Passage width Elevator width Gate width Gate width APP Robot management platform Remote deployment management platform	Measuring range: 10m Scanning scope: 360° (6m-12m) FOV166° Fisheye Camera×11.5m Realsense D410(Intel)Camera x2 ARM® Cortex™-dual core Cortex-A72 1.8/2.0GHz; quad-core Cortex-A53 1.4GHz 4GB binary channels LPDDR4 32GB high speed eMMC Rasberrypi CM4 ARM® Cortex™-dual core Cortex-A72 1.8/2.0GHz; ARM® Mail-T860MP4 GPU OpenGL ES 1.1/2.0/3.0,OpenCl 1.2,Directx11 Embedded high performance 2D acceleration H.264/H.265 decoder supports 10bit decoding 1080P multi-format video decoding, support H.264, VP8 and MVC LED Located at the top of the device, press it to trigger; Rotate to the right to release 8015W 0.3-1.2m/s It can be used in the park zone that meets certain requirements. 17mm
Visual Control Firmware Performance	Visual recognition RGBD GPU Ram DSP CPU Image processing LED Emergency stop Speaker Velocity Whether support outdoor operation Obstacle climbing Slope climbing Slope dimbing Floor gap width Passage width Elevator width Gate width APP Robot management platform Remote deployment management platform Remote deployment management platform	Measuring range: 10m Scanning scope: 360° (6m-12m) FOV166° Fisheye Camera×11.5m Realsense D410(Intel)Camera x2 ARM® Cortex™-dual core Cortex-A72 1.8/2.0GHz; quad-core Cortex-A53 1.4GHz 4GB binary channels LPDDR4 32GB high speed eMMC Rasberrypi CM4 ARM® Cortex™-dual core Cortex-A72 1.8/2.0GHz; quad-core Cortex-A72 1.8/2.0GHz; ARM® Mail-T860MP4 GPU OpenGL ES 1.1/2.0/3.0,OpenC1.1.2,Direcx11 Embedded high performance 2D acceleration H.264/H.265/VP9 up to4Kx2K@60fps H.264/H.265/VP9 up to4Kx2K@60fps H.264/H.265/VP9 up to4Kx2K@60fps Located at the top of the device, press it to trigger; Rotate to the right to release 8Ω15W 0.3-1.2m/s It can be used in the park zone that meets certain requirements. 17mm 8° 30mm The passing width of the robot should be no less than 70cm 75cm+ 75cm+ 75cm+ 75cm+ APP remote management. Use the app program to send robot task, visualize task statistics functions. Authorization allocation and business managem
Visual Control Firmware Performance	Visual recognition RGBD GPU Ram DSP CPU Image processing LED Emergency stop Speaker Velocity Whether support outdoor operation Obstacle climbing Slope climbing Floor gap width Passage width Elevator width Gate width Gate width APP Robot management platform Remote deployment management platform Remote scheduling management platform	Measuring range: 10m Scanning speed: 10Hz Scanning scope: 360° (6m-12m) FOV166° Fisheye Camera×1 1.5m Realsense D410(Intel)Camera x2 ARM® Cortex™-dual core Cortex-A72 1.8/2.0GHz; quad-core Cortex-A53 1.4GHz 4GB binary channels LPDDR4 32GB high speed eMMC Rasberrypi CM4 ARM® Cortex™-dual core Cortex-A72 1.8/2.0GHz; quad-core cortex-A72 1.8/2.0GHz; ARM® Cortex™-dual core Cortex-A72 1.8/2.0GHz; Arter Cortex™-dual core Cortex-A72 1.8/2.0GHz; Arted to the ore core cortex-A72 1.8/2.0GHz; Arter Cortex™-dual core Cortex-A72 1.8/2.0GHz; Leb Located at the top of the decoding 10800 multi-format video decoding suport H.264, VP8