

DEEP Robotics		LITE3 Datasheets		
No.	Items	Lite3		
1	Model	Lite3V (Venture Edition)	Lite3P (Professional Edition)	Lite3L (Lidar Edition)
				
2	Dimension(L*W*H)	610*370*436 mm	610*370*445 mm	610*370*503 mm
3	Weight	12.2kg	12.7kg	13.7kg
4	Max Speed	2.5m/s	2.2m/s	2.2m/s
5	Payload	Continous Load 7kg (5mins) Maximum Load 15kg	Continous Load 6.5kg(5mins) Maximum Load 14kg	Continous Load 5kg(5mins) Maximum Load 12.5kg
6	Slope Level	40°	40°	40°
7	Stairs Level	15cm	15cm	15cm
8	16 Line Lidar	-	-	√
9	Wide-angle Camera	√	√	√
10	Depth Camera	-	D435i	D435i
11	Ultrasonic	Front x1 & Rear x1	Front x1 & Rear x1	Front x1 & Rear x1
12	Speaker	√	√	√
13	Voice Module	Through APP	Through APP	Through APP
14	Attitude Sensor	0.3° Accuracy	0.3° Accuracy	0.3° Accuracy
15	Power interface	5/12/24V	5/24V	5/24V
16	Battery Capacity	28.8V/4.4AH	28.8V/4.4AH	28.8V/4.4AH
17	Running Time	1.5-2h or 4km (Support Battery Swapping)	1.5-2h or 3.4km (Support Battery Swapping)	1.5-2h or 2.7km (Support Battery Swapping)
18	Charging Time	0.8h	0.8h	0.8h
19	Autonomous Charging	-	-	-
20	Communication Interface	Ethernet	Type C/Ethernet/USB3.0/HDMI	Type C/Ethernet/USB3.0/HDMI
21	Motion PC	RK3588	RK3588	RK3588
22	Peception PC	-	Nvidia Jeston Xavier NX	Nvidia Jeston Xavier NX
23	AI PC	-	-	-
24	Control Mode	Remote Control Only	Remote Control Only	Remote Control Autonomy
25	Autonomy	Front&rear stopping obstacles Identify&Following	Forward Detour Front&rear stopping obstacles Identify&Following	3D SLAM Forward Detour Front&rear stopping obstacles Identify&Following
26	IP Level	-	-	-
27	Working Temperature	-10°- 40°	-10°- 40°	-10°- 40°