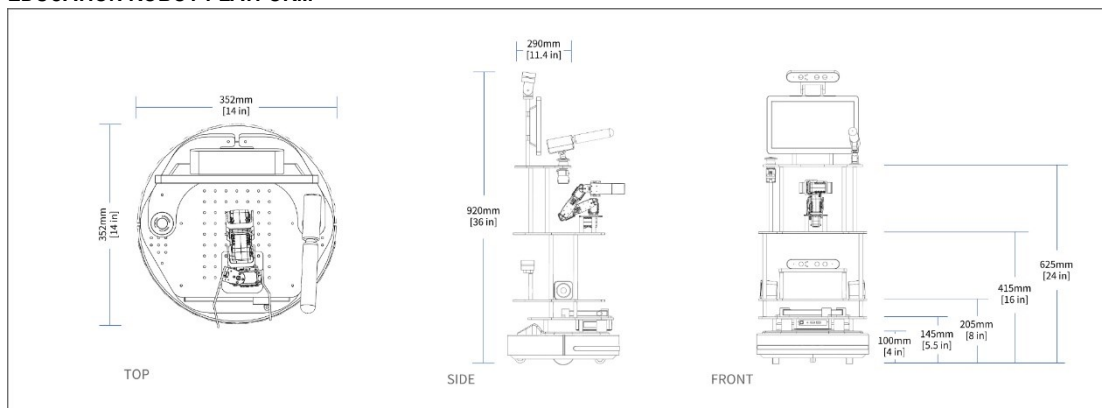


EDUCATION ROBOT PLATFORM



TECHNICAL SPECIFICATIONS

SIZE AND WEIGHT		
EXTERNAL DIMENSIONS (L x W x H)	352 x 352 x 920 mm(14 x 14 x 36 in)	
WEIGHT	10.3kg (17.0lb)	
GROUND CLEARANCE	15 mm (0.6 in)	
SPEED AND PERFORMANCE		
UNIT MOBILE BASE	Kobuki	
MAX. PAYLOAD	5 kg (11 lb)	
MAX. SPEED	0.5 m/s (1.6 ft/s)	
MAX. ROTATIONAL SPEED	160°/S	
BATTERY AND POWER SYSTEM		
STANDARD BATTERY	2200 mAh Li-Ion	
EXTENDED BATTERY	4400 mAh Li-Ion	
USER POWER	5 V and 19V (1A), 12 V (1.5A), 12V (5A)	
SENSORS		
3D VISION SENSOR x 2	Color Camera: 640px x 480px, 30 fps.	Depth Camera: 640px 480px, 30 fps
ENCODERS	25700 cps	11.5 ticks/mm
RATE GYRO	110 deg/s Factory Calibrated	
AUXILIARY SENSORS	3x forward bump, 3x cliff, 2x wheel drop	
COMPUTER		
PROCESSOR	Intel Core i5-8259U	
MEMORY	8G	
INTERNAL HARD DRIVE	128G SSD	
WIFI	802.11ac	
SCREEN	10.1in Touch Screen(1280*800)	
Robot Arm		
SERVOS	5	
EXTERNAL DIMENSIONS (L x W x H)	32mm x 50mm x 40mm	
ACCURACY	0.29°	
Speech Interaction		
Frequency Response	50Hz-16kHz	
Wifi Remote Controller		
Transmission Rate	300Mbps	