

구분		항목	사양	내용
SBC	Lattepanda 3 deltha	Processor	Intel® Celeron® N5105	
		Core	2.0-2.9GHz Quad-Core, Four-Thread	
		Graphics	Intel® UHD Graphics (Frequency: 450 – 800MHz)	
		Memory	LPDDR4 8GB 2933MHz	
		Storage	64GB eMMC	
		Connectivity	Wi-Fi 6 @ 2.4/5 GHz	통신
		GPIO	Up to 23x Digital Input/Output (7 PWM)*	센서 - 온습도/관성
		Serial Interfaces	I2C	센서 데이터 송수신
		USB	USB 3.2 Gen1 Type A	센서 - 카메라
		Co-Processor	ATMEGA32U4	센서 제어
		Power	Type-C (12/15V DC)	
		Dimensions	125 x 78 x 16mm	
		Operating Temperature	0°C~75°C	
CAM	PWC-500	Interface	USB2.0	
		Video Speed	30fps	
		Resolution	1920*1080	고도화
			1280*720	720
		Image output format	yuy2 jpeg	
		Microphone	Digital-mic	고도화
		image control fuction	auto focus	
			auto whitle balance	
			auto exposure control	
T/H	DHT-11	Humidity	Resolution: 16Bit	
			Repeatability: ±1% RH	
			Accuracy: At 25°C ±5% RH	
		Temperature	Resolution: 16Bit	
			Repeatability: ±0.2°C	
			Range: At 25°C ±2°C	
		Sampling period	more than 2 seconds	
		Pin Description	1, the VDD power supply 3.5 ~ 5.5V DC	
			2 DATA serial data, a single bus	
3, NC, empty pin				
4, GND ground, the negative power				
IMU	MPU-6050	Gyroscope	Digital-output X-, Y-, and Z-Axis angular rate sensors full scale range of ±250, ±500, ±1000, and ±2000°/sec	
		Accelerometer	Digital-output triple-axis accelerometer	시간에 대한 속도 변화
			full scale range of ±2g, ±4g, ±8g and ±16g	
		Temperature	Digital-output -40°C to +85°C	
		Pin Description	1. the VDD power supply 3.5 DC	
			2. SCL (클럭 신호선)	
			3. SDA (데이터 신호선)	
			4. GND ground, the negative power	
			5. INT interrupt	쿼터니언 연산