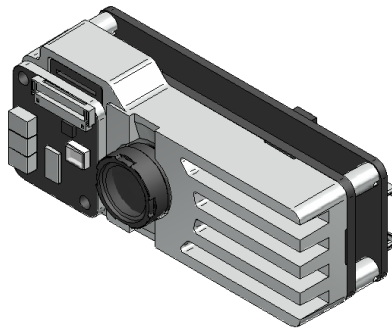


PRELIMINARY PRODUCT SPECIFICATION

Model : MDC200DW



meerecompany

69-12, Jeongmunsongsan-ro, Yanggam-myeon,
Hwaseong-si, Gyeonggi-do, 18630, Korea

TEL: +82 31-350-9999 **FAX:** +82 31-352-8871

www.cube-eye.co.kr / www.meerecompany.com

Table of Contents

Revision History	3
1. General Specification	4
2. Power&Environment&Form Factor Specification	5
3. Certification Specification	5
4. Product Configuration	6
5. Product Dimension	7

Revision History

Date	Ref. Page	Description	remark
2017. 12. 04.	-	First released	
2018. 09. 03.	4 page 6 – 7 page	Viewing angle is changed in Optics The design of Heatsink is changed	

1. General Specification

Sensor			
Depth Sensor	Sensor Type	3D Time-of-Flight Sensor	Texas Instruments
	Pixel array size	QVGA(320x240)	
Illumination			
Illumination source		VCSEL (Vertical Cavity Surface Emission Laser)	
Wavelength		850nm	
Optics			
Viewing angle (h)x(v)x(d)		74° x 58° x 89°	Distortion
		70° x 55° x 82°	Undistortion
Range & Accuracy			
0.1m ~ 0.5m	TBD	※ Measurement condition - Target : flat screen of >90% reflectivity - Target area : 11x11 central pixels - Ambient illumination : normal indoor - Ambient temperature : 23℃ ~ 25℃	
0.5m ~ 2.5m	TBD		
Software (SDK)			
USB Drivers		Windows(x64), Linux(x64)	
API		C++ Language(VisualStudio2013)	
Operating system		Windows7,8,10, Ubuntu14.04	
Output Data(bit)			
Amplitude image		12 bit	
Depth image		12 bit	
Interface			
Data interface		USB2.0	
Frame rate		20 fps (Max. 30fps)	

2. Power&Environment&Form Factor Specification

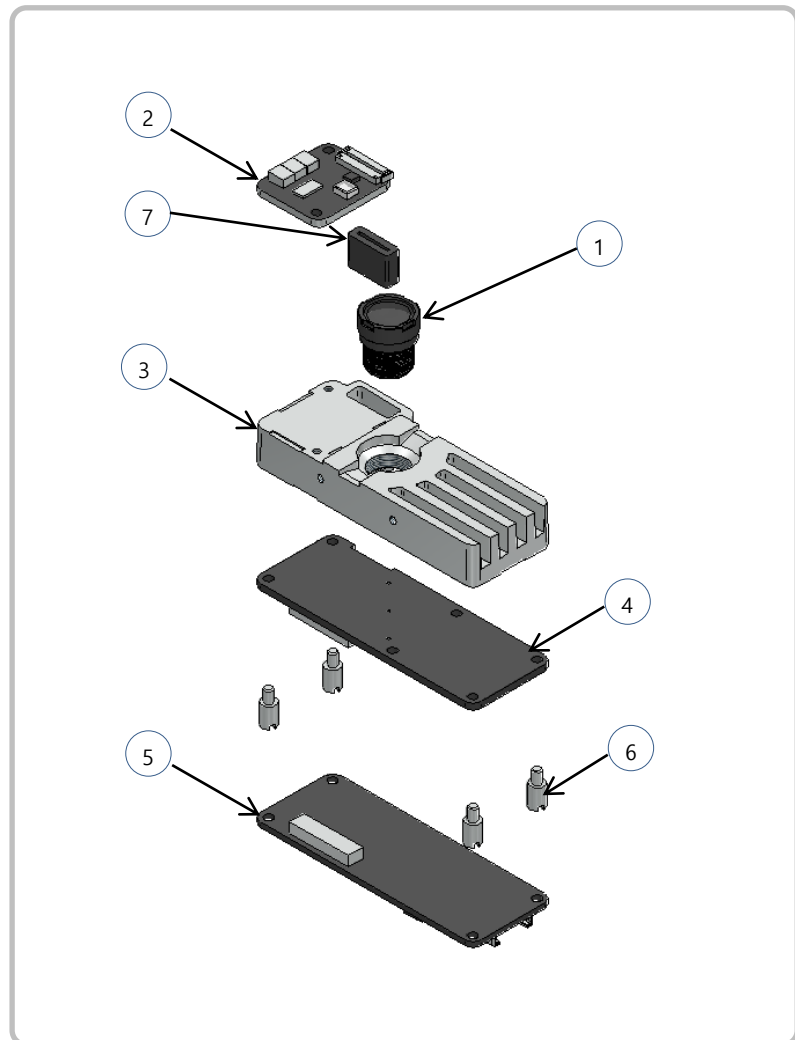
Power		
Power consumption	TBD (< 3W)	
Input power voltage	DC 5V	
Environment		
Operating temperature	TBD (-10°C ~ 50°C)	
Storage temperature	TBD (-20°C ~ 60°C)	
Form Factor		
Heatsink material	Aluminum	
Dimensions	55mm x 23mm x 23mm	Width x Height x Length
Weight	29.6g	Without cables

3. Certification Specification

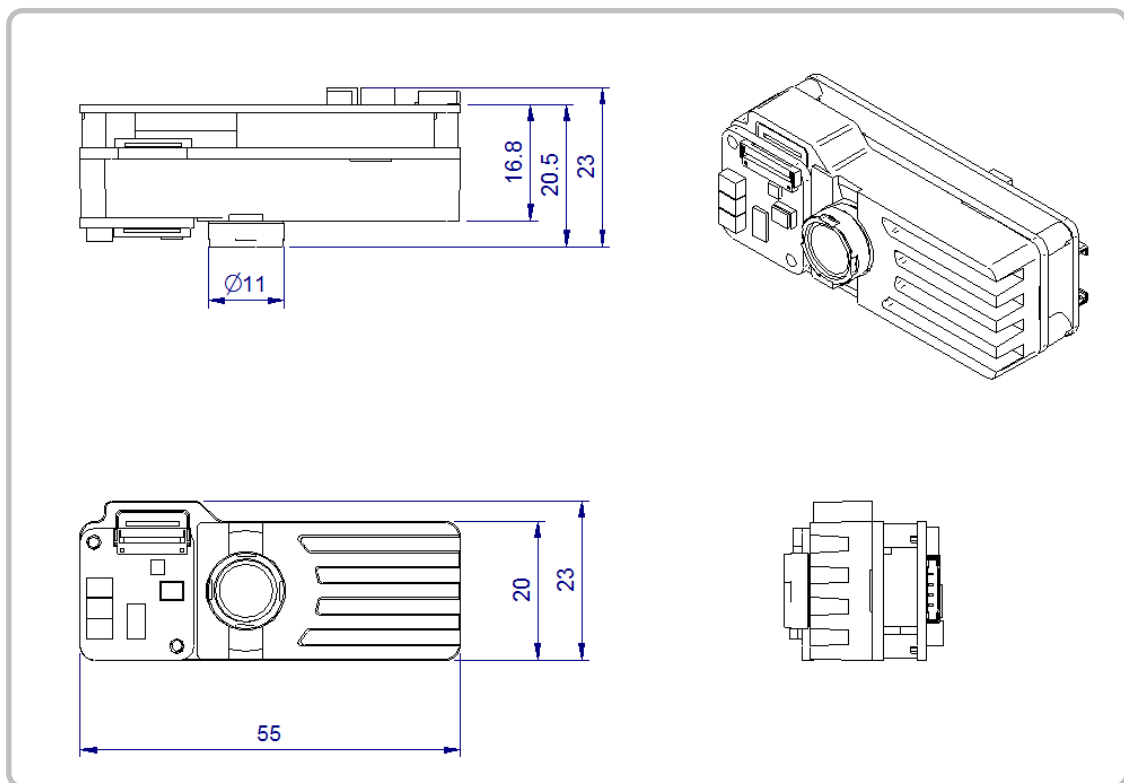
Eye safety	IEC 60825-1:2014 (3rd Edition) Class1	
RoHS	TBD	

4. Product Configuration

- ① ToF Sensor Lens
- ② Illumination Board
- ③ Heatsink Block
(Lens Base)
- ④ ToF Sensor Board
- ⑤ ToF Control Board
- ⑥ PCB Support
- ⑦ Ferrite core



5. Product Dimension



(Unit: mm)