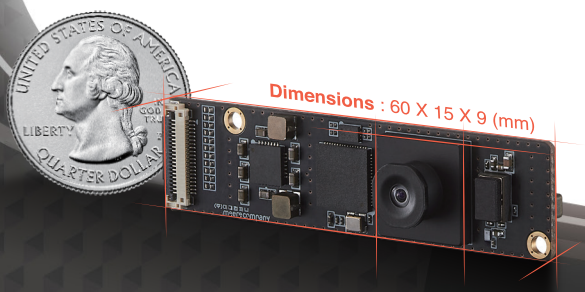
ToF 3D DEPTH CAMERA

Compact but Powerful



ADVANTAGES

TRUE VGA Resolution

Depth resolution of VGA provides more precise depth data

Low Power Consumption

Low power allows easy integration into various applications

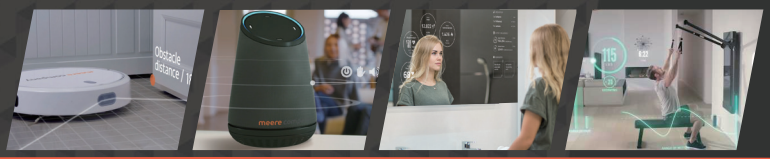
Compact Design

Compact design and small form factor fits into various applications

APPLICATION FIELDS

Face Recognition

Access Control, Security Solution, Speed Gate



Consumer Electronics

Robot Cleaner, AI Speaker, Smart Mirror, Home Training

Robotics

Humanoid Robot, Mobile Robot, AGV

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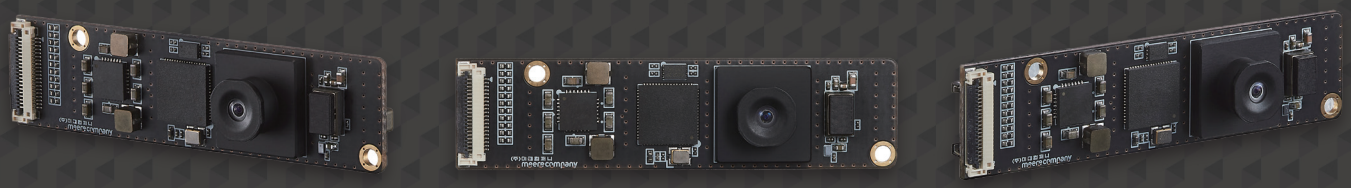

S.Cube / M.Cube

Preliminary

	S.Cube	M.Cube
Module Type	Board Type	Case Type
Operating Range	0.2~4m	0.3~5m
Illuminator	VCSEL 940nm X 1	VCSEL 940nm X 2
Depth Pixel Count	VGA (640 x 480)	
RGB Pixel Count	Optional : Full HD (1920 x 1080)	Full HD (1920 x 1080)
Field of View	60°(H) x 45°(V)	90°(H) x 67°(V) / 60°(H) x 45°(V)
Output Data (bit)	Amplitude / Depth Image 14bit	
Application Processor	-	Applied
Accuracy	<±1% by distance	
Interface		
Data Interface	MIPI CSI2	USB2.0 / Ethernet
Frame Rate	30fps	
Software (SDK)		
USB Drivers	Windows(x64), Linux(x64)	
API	C++ Language	
Operating System	Windows7, 8, 10, Ubuntu 14.04, 16.04, 18.04	
Dimension	60mm x 15mm x 9mm	89mm x 46mm x 28mm
Weight	4.9g	350g
Power		
Power Consumption	<1.5W	<15W
Input Power Voltage	5VDC	
Operating Temperature	0°C ~50°C	
Ambient Lighting Conditions	Indoor and Outdoor	
Eye Safety Certification	IEC 60825-1 : 2014 (3rd Edition) Class1	

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