

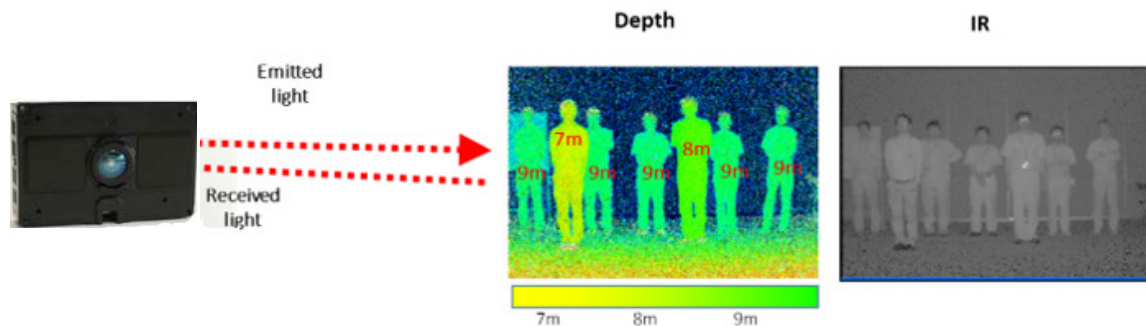
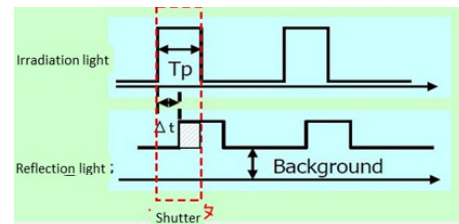
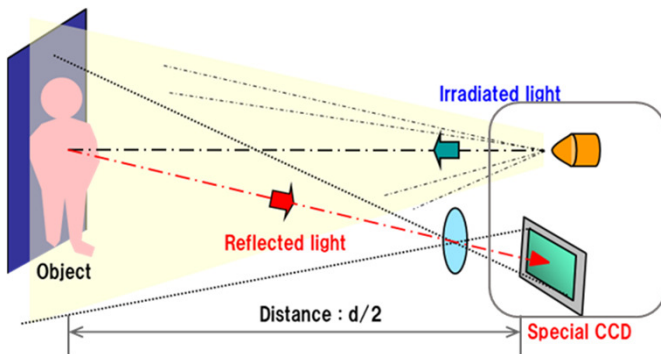
## Time of Flight Outdoor (IR/Depth) Image Camera: **HC4W**

- Accurate real-time depth sensing and image camera
- Simultaneously captures Depth image data and IR image on a single CCD sensor.
- FOV: (H) 90 deg (V) 70 deg
- Frame Rate: 30 fps
- Outdoors use model
- NIR Resolution: 640x480
- Depth Resolution: 640x480
- 4 Laser Diodes ( Class 1): 940 nm
- I/F: I2C (100KHz)
- Operating Temp: 0~40degC
- 5V/4A 100-240VAC 50/60Hz 5.4W



**CDM-GCHC4WZA**

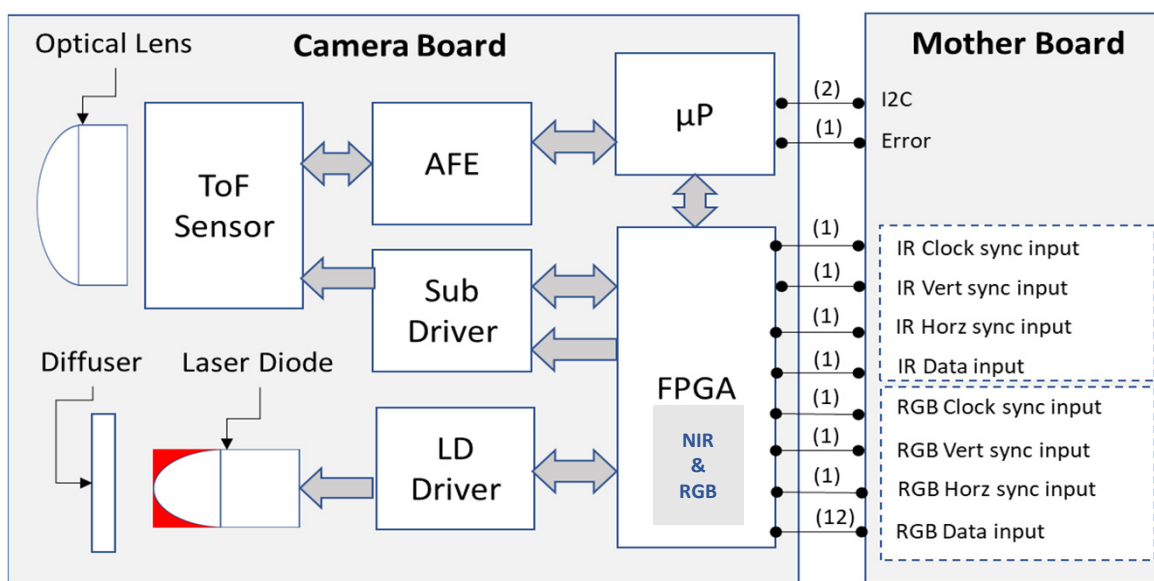
Panasonic's ToF technology instantaneously detects the distance between the Camera and the targeted object or person with depth and infra-red images which are now possible with a single Camera. Like sonar wave, the Camera emits pulses of invisible IR light that reflects off of nearby objects. The IR light that reflects off the objects will return to the ToF camera. The light that reflects off of far away objects will take a little longer. The camera will measure how long it takes each ray of light to come back and after some calculations it creates a detailed 3D depth map. The HC4W Time Of Flight Camera can be used in various outdoor applications including Security, Autonomous Vehicles, Robotics, Logistics, just to name a few.



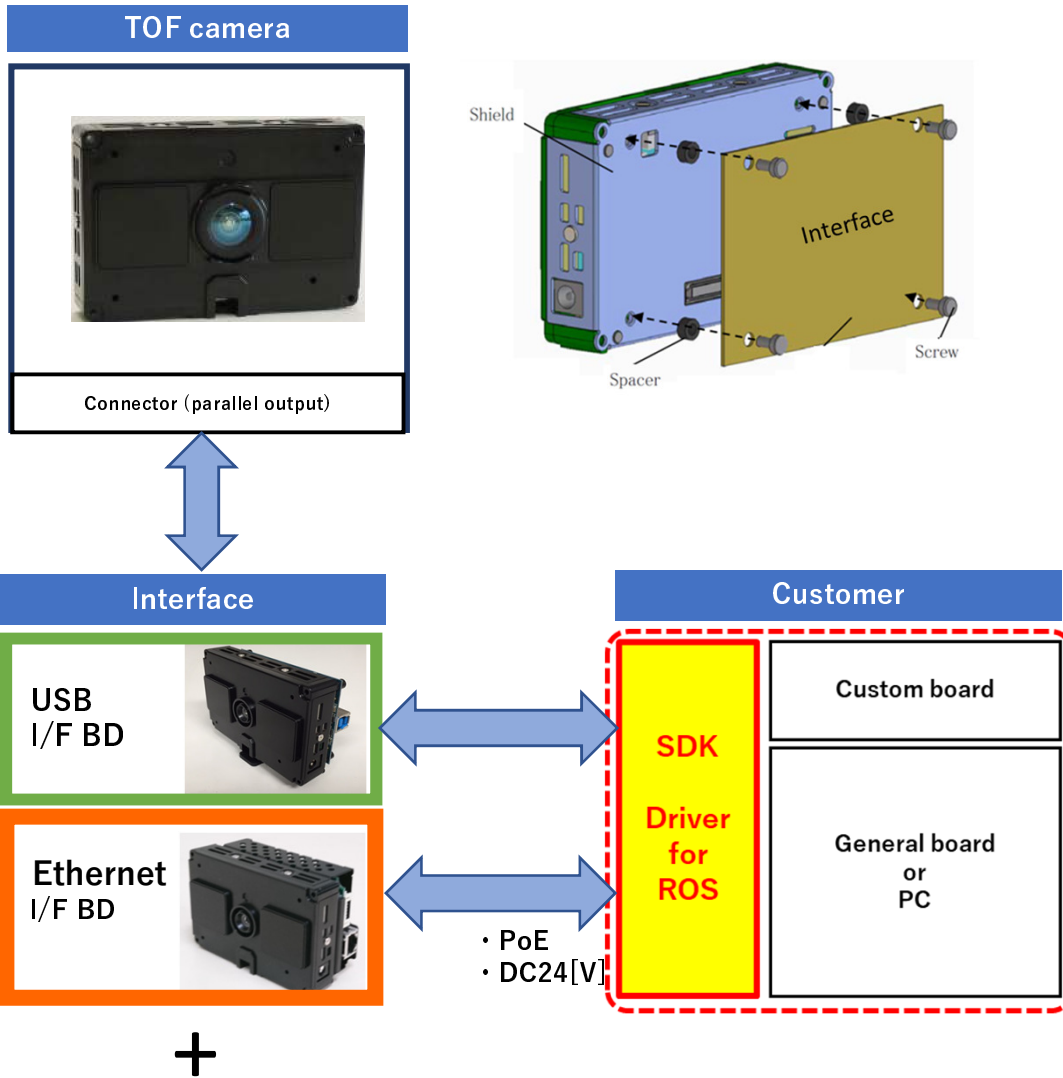
## ■ Specifications



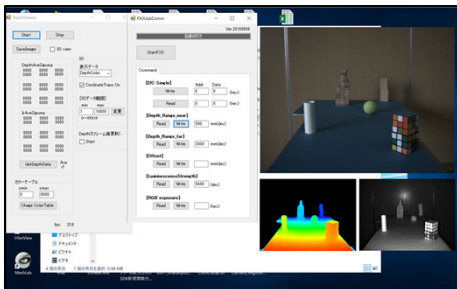
	HC4W
FOV	H 90°x V70°
Dimensions (W x H x D mm)	100x65x24
Depth image Resolution	640x480
NIR image Resolution	640x480
Frame rate	30fps
Detection distance	100~4000mm
I/F	Camera : Parallel Connector / External: Ethernet
Light source	LD(Class1) 940nm
Operation temp.	0 ~40°C
Power consumption	Approx.5.4W



## ■ Interface

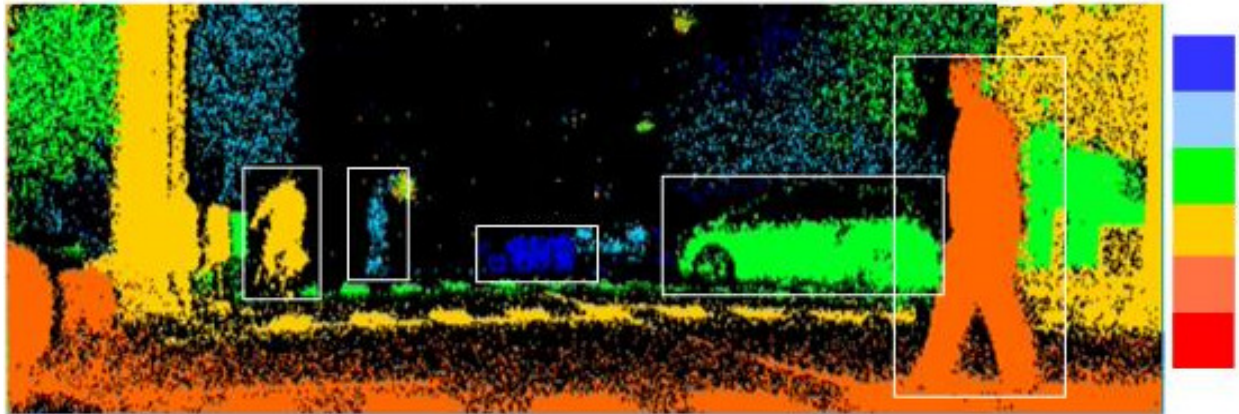


### ◆ Sample Viewer and SDK

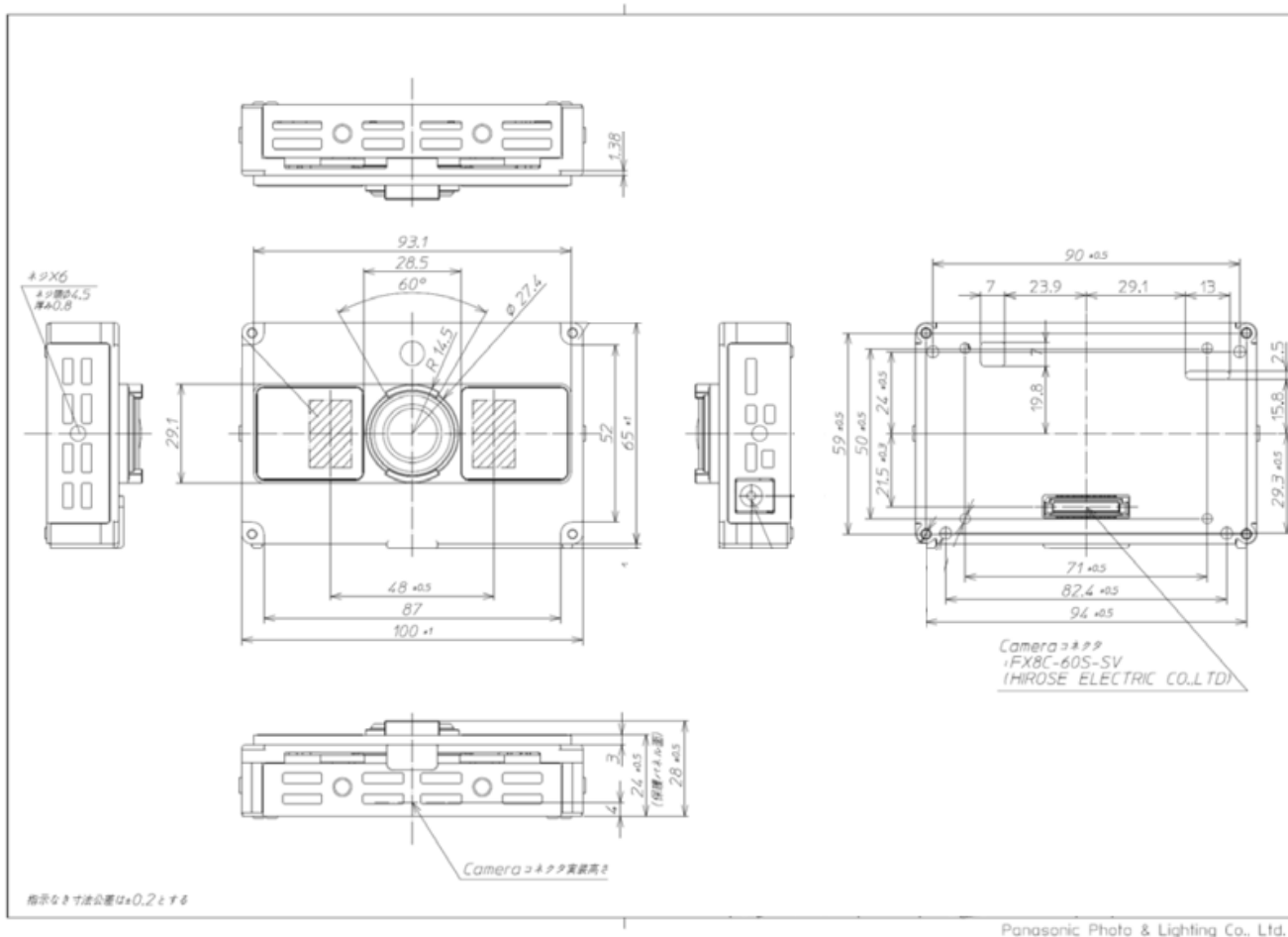


### ◆ Driver for ROS





# ■ Specifications



Panasonic Photo & Lighting Co., Ltd.

Products and product specifications shown are subject to change without notice.

Please contact your local Panasonic Technical Representative for the most up to date information.

2021 PIDSA/SBDD