Panasonic

## 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
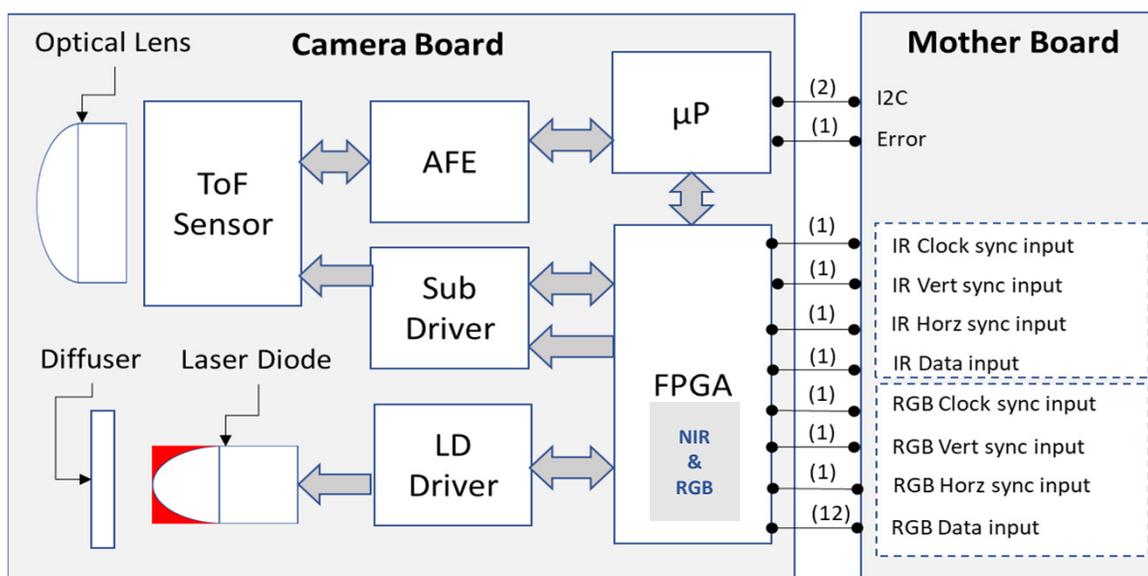- 5V/4A 100-240VAC 50/60Hz 5.4W

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.
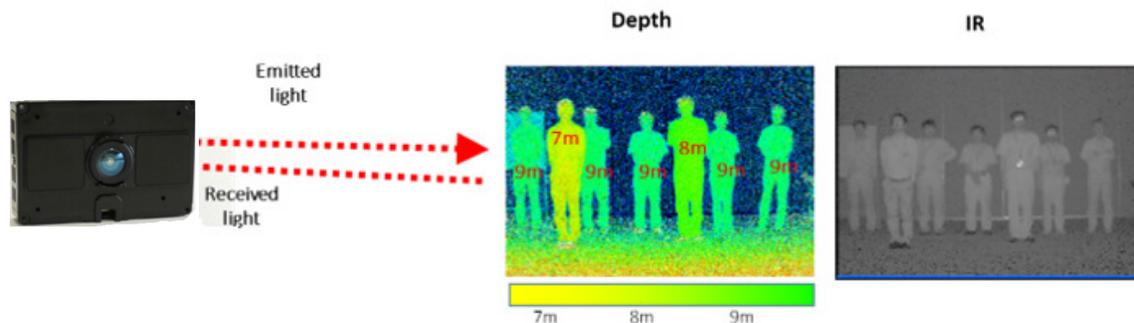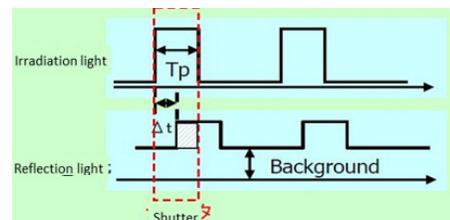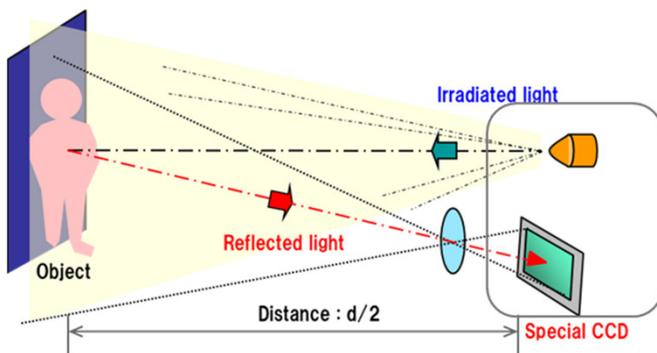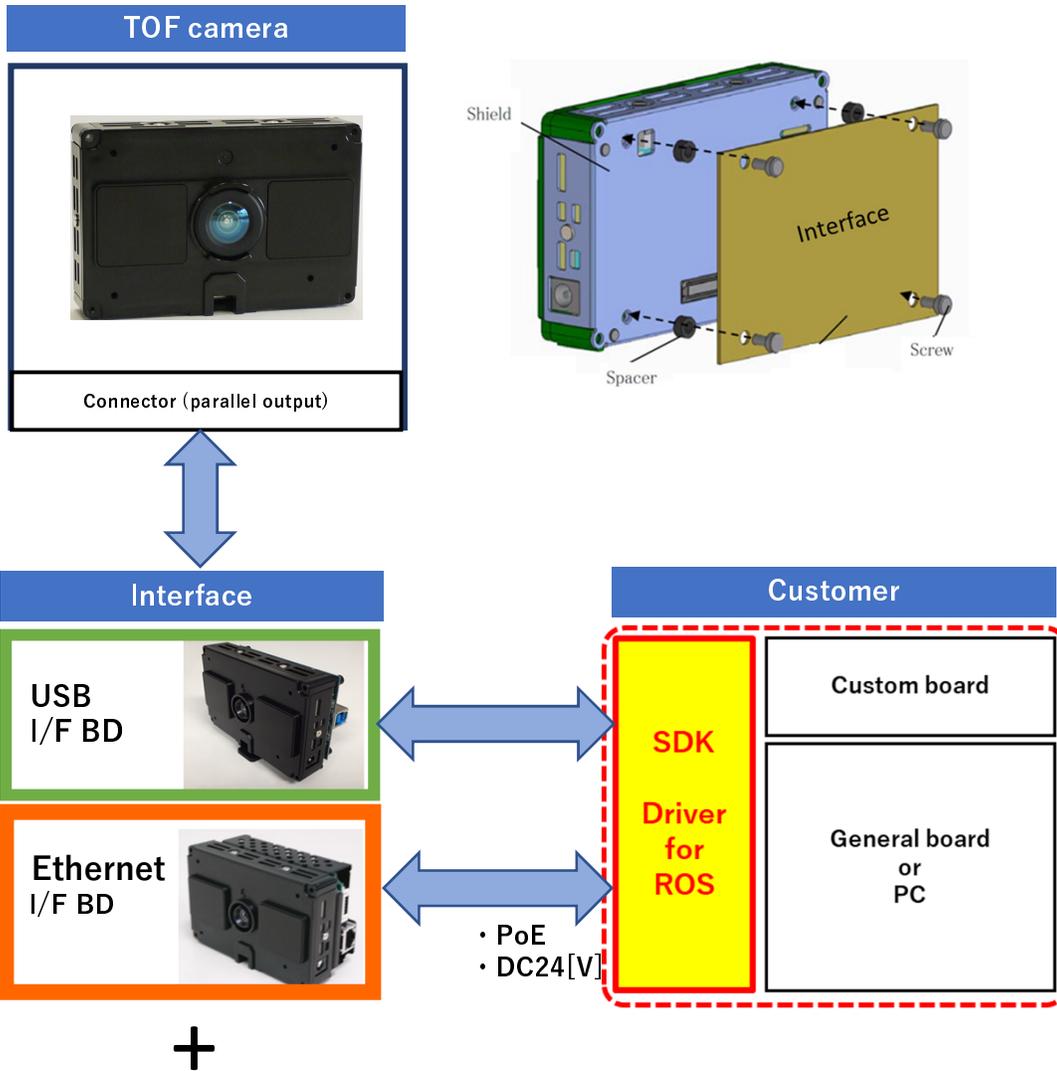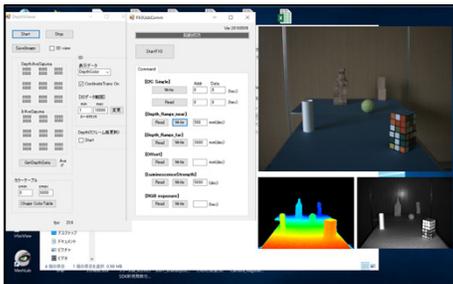
■ Specifications

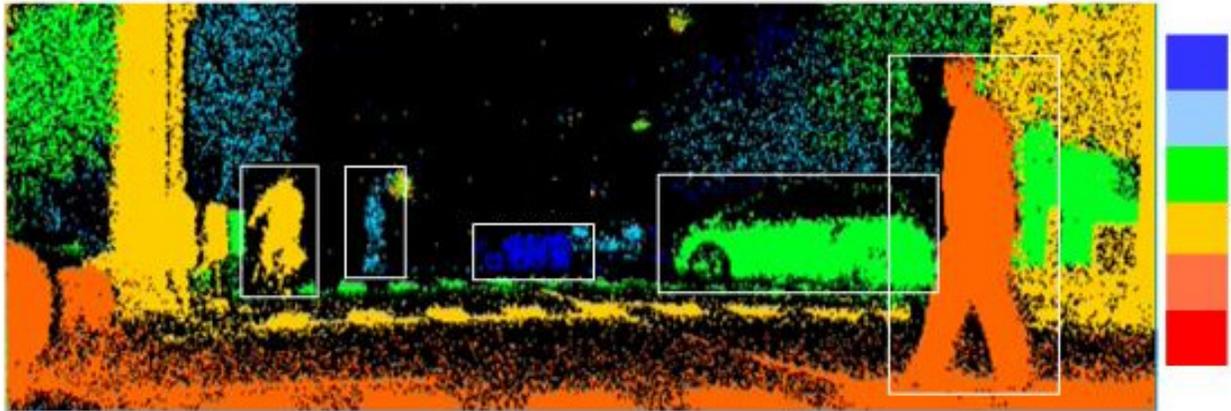|	HC4W
FOV	H 90°x V70°
Dimensions (W x H x D mm)	100x65x24
Depth image Resolution	640x480
NIR image Resolution	640x480
Frame rate	30fps
Detection distance	100～4000mm
I/F	Camera : Parallel Connector / External: Ethernet
Light source	LD(Class1) 940nm
Operation temp.	0～40℃
Power consumption	Approx.5.4W

■ Interface

TOF camera

Connector（parallel output）

Interface

USB
I/F BD

Ethernet
I/F BD

Customer

SDK

Driver
for
ROS

Custom board

General board
or
PC

・PoE
・DC24[V]

+

◆ Sample Viewer and SDK

◆ Driver for ROS

Interactive Display

Anti-Tailgating Security System

SECURITY LOG

LOGIN: 0
ACCESS: 2
ACTION: SECURITY CHECK

SUM: 341

Interactive Billboard

Panasonic
ideas for life

Robotic Mobility
Automatically forms a platoon
and safely transports people.

■ Specifications

メジX6
メッ頭φ4.5
厚φ0.8

93.1
28.5
60°
φ 27.4
R 14.5
29.1
52
65 ±1
48 ±0.5
87
100 ±1

90 ±0.5
7   23.9   29.1   13
7
19.8
2.5
15.8
59 ±0.5
50 ±0.3
24 ±0.5
21.5 ±0.3
29.3 ±0.5
71 ±0.5
82.4 ±0.5
94 ±0.5

1.38

Camera コネクタ
FX8C-60S-SV
(HIROSE ELECTRIC CO.,LTD)

3
24 ±0.5
(保護カバー含ま)
28 ±0.5
4

Camera コネクタ実装高さ

指示なき寸法公差は±0.2とする

Panasonic Photo & Lighting Co., Ltd.