



Product Features

- 0.4MP pixel image sensor.
- Able to read complex code such as DPM code and tiny code.
- Support high-speed decoding, up to 60FPS.
- Compact-sized and full industrial-grade protection.
- Easy to setup.

External Structure

Light Source

LED light available to enhance image quality for better codereading performance.



LED Aimer

Used to indicate the target field of view for easy target aiming

Trigger Button

When the device is in trigger mode, click the button to trigger the device.



Focusing Screw

Manual focus adjustment to make the scanning image clearer.

SR Wire

The SR wire outlet provides power, Ethernet, digital IO, serial port function.

LNK Indicator

Network status indicator.
Normal status: green light on;
Abnormal status: light off.

PWR Indicator

Power indicator:
Normal status: green light on
Abnormal status: red light on.

STS Indicator

Status indicator.
Normal status: green light on.
Abnormal status: red light on.

Image Sensor

Used for collecting image data

Light Source

LED light available to enhance image quality for better codereading performance.

Technical Parameters

Model	OPT-IDG1-04L06-31
Sensor Type	CMOS, Global shutter
Pixel Size	6.9 μm×6.9 μm
Image Circle	1/2.9"
Maximum Processing Frame Rate	60fps
Maximum Scanning Rate	41 codes/sec
Exposure Time	16 μs ~ 1 sec
Resolution	704×540
Power Gain	0 dB ~ 15 dB
Light Source	Red
Barcode Category	Code 39 , Code93 , Code 128 , CodeBar , EAN , ITF25 , etc
2D Code	QR , DM , etc
Interface	Fast Ethernet (100Mbit/s) , Fast Ethernet(100Mbit/s)
I/O	17-pin M12 interface power supply IO; Including 2-way optocoupler isolation input, 2-way optocoupler isolation output, 1 channel RS232, support side button trigger.
Communication Protocol	SmartSDK , TCPClient , UDP , Serial , FTP , HTTP , TSPServer , ProfNet , MELSEC , Ethernet/IP , ModBus , UDP , Fins , SLMP
Power Supply (Voltage)	12~24 VDC
Power Consumption	<10.6W @24VDC (Enable built-in fill light)
Ambient Temperature	Working temperature 0~50°C , storage temperature -30~70°C
Relative Humidity	20%~95% RH, non-condensing
Dimensions	46mm×40mm×25mm
LED Aimer	Green LED light
Focal Length	6mm/12.4mm/14.8mm/25mm
Working Distance	40~120mm, support the top focus button, manually adjust the focus distance
Protection Rating	IP65
Weight	About 160g

Dimensions (mm)

