

GIGE MODULE FOR FLIR TAU2 COMPATIBLE WITH ALL TAU2 UNITS

Release date: 26th of January 2021

Revision Number: 210126

GigE Module for FLIR TAU2

Introduction

Workswell designs GigE module for easy and user-friendly PC connection for FLIR TAU2 cores. GigE module automatically detects image stream from core. TAU2 core is controlled and supplied from GigE module through 50pins Hirose interface connector. Whole internal electronics is protected by metal enclosure.

GigE Module is supplied directly from Ethernet cable (PoE) and its low power module consumption decreases a need for special cooling. GigE module is fully compatible with Gigabit Ethernet protocol and GigE Vision.

Workswell CorePlayer software automatically detects GigE module, TAU2 core type or wrong IP address settings. Pixel resolution is setup for specific core in 8 or 14 RAW data format. Temperature values can be shown in different color pallets with interactive side bar and measurement tools. Users can manage core parameters such as Gain, NUC, Factory Reset, etc. There is also tutorial application, Linux and Windows dll libraries and C# application code available.



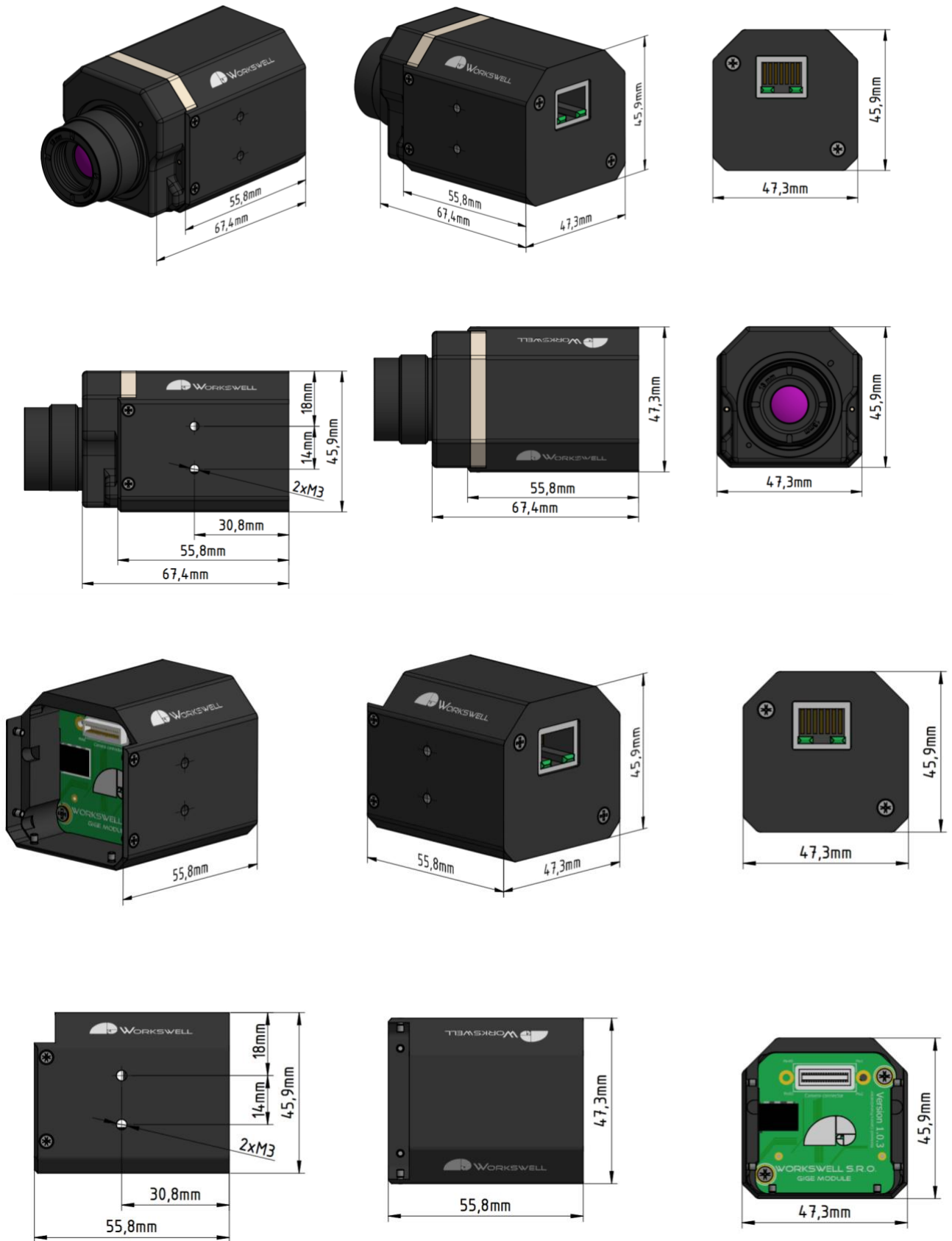
Characteristics

Interface and Connector	1000Gb/s Ethernet RJ45
Communication Protocol	GigE
Power Supply	Power over Ethernet (PoE), 250mA maximum
Power consumption	280mA maximum, average 150mA
Pixel Depth	8/14 bits RAW data
Pixel Resolution	640 x 512, 336 x 256, 324 x 256, 160 x 128
Image Buffer	128 MB
Camera Control	Serial Command Protocol
Operational conditions	-10°C...40°C, Noncondensing Industrial version -40°C to +60°C
IP protection	IP40
Module Dimensions	46 x 48 x 54 mm
Weight	130g (enclosed)

Features

- Power over Ethernet
- TAU2 640, 336, 324 and 160px compatibility
- TAU2 fast as well as slow versions
- Configuration Software CorePlayer available
- Easy Connection to TAU2 cameras
- Metal Enclosure with fixing screws available
- Tutorial App with Linux & Windows dll
- Low Power Module Consumption
- Automatic TAU2 Recognition
- Raw Data or Temperature Output
- Powerful measurement tools in CorePlayer
- External Sync function for multi TAU streaming
- NEW Special industrial version available
- Available to buy module without housing

Mechanical drawings of the GigE module



GigE Module for FLIR TAU2

Ordering information

Product information

Product	Ordering code
Standard GigE module - fully enclosed	P-GIGE-001
Standard GigE module - only electronics	P-GIGE-002
Industrial GigE module - fully enclosed	P-GIGE-003
Industrial GigE module - only electronics	P-GIGE-004

Note: Industrial version of GigE module includes electronic components tested from -40°C up to +60°C. Delivery time for 1 unit is 2 weeks. 5 weeks for 10+. 10 weeks for max 100 units. Another quantity have to be discussed in advance

Accessories	Ordering Code
PoE injector	A-GIGE-001
Ethernet cable 3m	A-GIGE-002

SDK and Libraries

Product	Ordering Code
Windows SDK (per module)	SDK-WIC-Windows
Linux x86 (PC) SDK (per module)	SDK-WIC-Linux-x86
Linux ARM SDK (per module)	SDK-WIC-Linux-ARM
SW CorePlayer (per PC)	SW-CorePlayer
SW ThermoFormat (per PC)	SW-ThermoFormat



Content of Delivery

Standard GigE module package – fully enclosed / P-GIGE-001		
GigE module – fully enclosed	1 pcs	1 year Warranty
SW CorePlayer	1 license	-
Windows and Linux x86 SDK	1 licence	-
Ethernet cable	1 pcs	1 year Warranty
PoE Injector (230VAC adapter)	1 pcs	1 year Warranty
Paperbox with foam	1 pcs	
Torx T6 screwdriver with 6 screws	-	-

Standard GigE module package – only electronics / P-GIGE-002		
GigE module –without metal enclosure	1 pcs	1 year Warranty
SW CorePlayer	1 license	-
Windows and Linux x86 SDK	1 licence	-

INDUSTRIAL GigE module package – fully enclosed / P-GIGE-003		
GigE module – fully enclosed	1 pcs	1 year Warranty
SW CorePlayer	1 license	-
Windows and Linux x86 SDK	1 licence	-
Ethernet cable 3 m	1 pcs	1 year Warranty
PoE Injector (230VAC adapter)	1 pcs	1 year Warranty
Paperbox with foam	1 pcs	
Torx T6 screwdriver with 6 screws	-	-

INDUSTRIAL GigE module package – only electronics / P-GIGE-004		
GigE module –without metal enclosure	1 pcs	1 year Warranty
SW CorePlayer	1 license	-
Windows and Linux x86 SDK	1 licence	-

Contact information

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