USB3 MODULE FOR FLIR TAU2

COMPATIBLE WITH ALL TAU2 UNITS

USB3 Module for FLIR TAU2

Introduction

Workswell designs USB3 module for easy and user-friendly PC connection for all FLIR TAU2 cores. USB3 module supports TAU2 versions and automatically detects image stream from core. TAU2 core is controlled and supplied from USB3 module through 50pins Hirose interface connector. Whole internal electronics is protected by metal enclosure

USB3 Module is supplied directly from USB3 cable without external power source needed. Very low power consumption decrease needs for special cooling. USB3 module is fully compatible with USB3 protocol.

Workswell CorePlayer software automatically detects USB3 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.
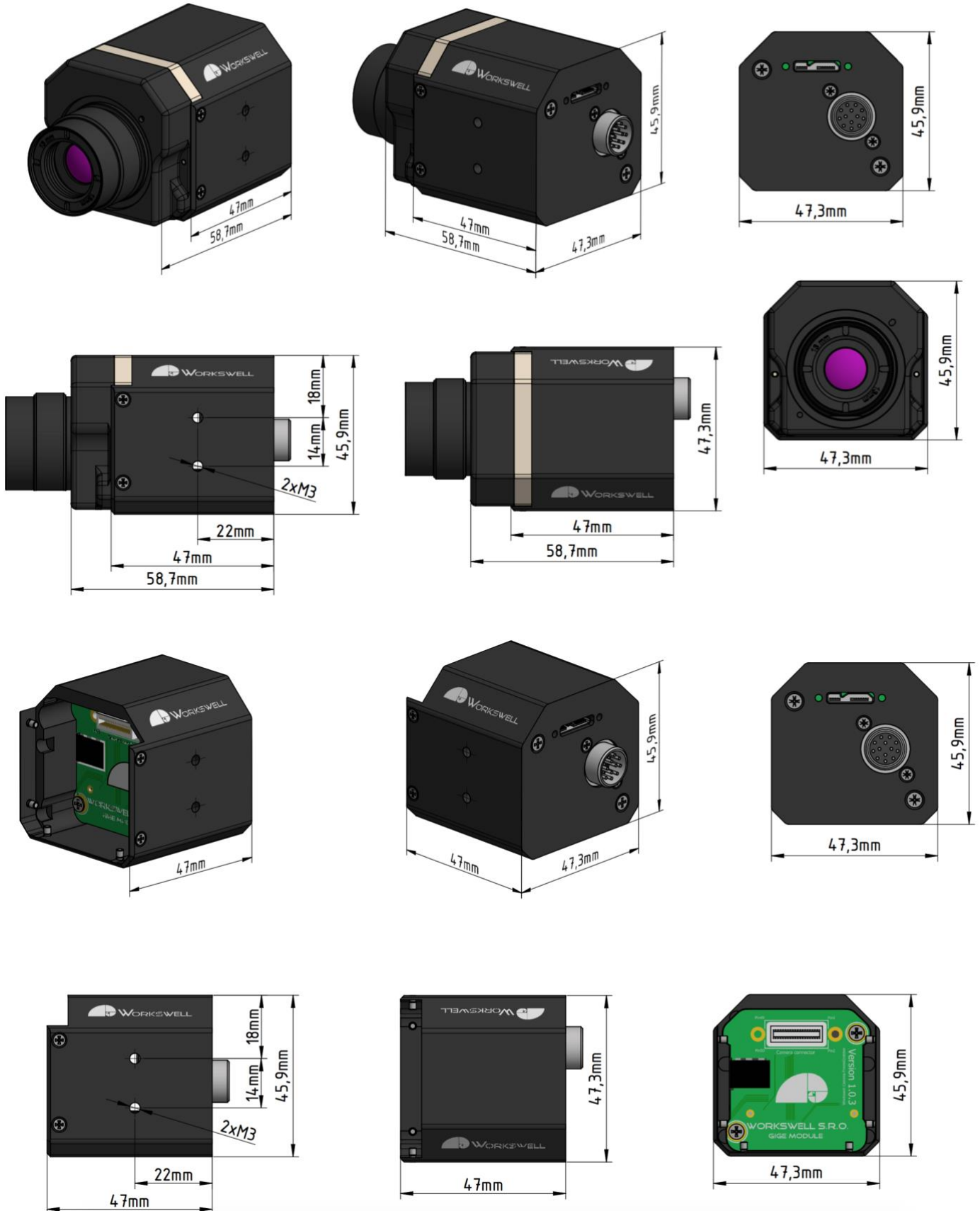
Characteristics

Interface and Connector	USB3 Micro-B Receptacle
Communication Protocol	USB3
Power Supply	Power over USB3 (5V)
Power consumption	280mA maximum, average 150mA
Operational conditions	-10...40°C, Noncondensing Industrial version -40°C to 60°C
IP Protection	IP40
Pixel Depth	8/14 bits RAW data
Pixel Resolution	640 x 512, 336 x 256, 324 x 256, 160 x 128
Analog Video	PAL, NTSC
Camera Control	Serial Command Protocol
Module Dimensions	47 x 46 x 48 mm
Weight	110g

Features

- Power over USB3
- TAU2 640, 336 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
- Integrated analogue output
- Powerful measurement tools in CorePlayer
- External Sync function for multi TAU streaming
- NEW Special industrial version available
- Available to buy module without housing

All pictures are only for ilustration
Real values may vary

Mechanical drawings of the USB3 module

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Ordering information

Product information

Product	Ordering code
Standard USB3 module - fully enclosured	P-USB3-001
Standard USB3 module - only electronics	P-USB3-002
Industrial USB3 module - fully enclosured	P-USB3-003
Industrial USB3 module - only electronics	P-USB3-004

Note: Industrial version of USB3 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
USB3 cable 1 m	A-USB3-004
Analog video cable 1m	A-USB3-006
Sync cable 1m	A-USB3-005
External 12 pin Cable Pigtail	A-USB3-003
USB3 cable thumbscrews 3 m, passive	A-USB3-007
USB3 cable thumbscrews 5 m, passive	A-USB3-008
USB3 cable thumbscrews 10 m, active	A-USB3-009

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

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Content of Delivery

Standard USB3 module package – fully enclosured / P-USB3-001		
USB3 module – fully enclosured	1 pcs	1 year Warranty
SW CorePlayer	1 license	-
Windows and Linux x86 SDK	1 licence	-
USB3 cable	1 pcs	1 year Warranty
Paperbox with foam	1 pcs	
Torx T6 screwdriver with 6 screws	-	-

Standard USB3 module package – only electronics / P-USB3-002		
USB3 module –without metal enclosure	1 pcs	1 year Warranty
SW CorePlayer	1 license	-
Windows and Linux x86 SDK	1 licence	-

INDUSTRIAL USB3 module package – fully enclosured / P-USB3-003		
USB3 module – fully enclosured	1 pcs	1 year Warranty
SW CorePlayer	1 license	-
Windows and Linux x86 SDK	1 licence	-
USB3 cable	1 pcs	1 year Warranty
Paperbox with foam	1 pcs	
Torx T6 screwdriver with 6 screws	-	-

INDUSTRIAL USB3 module package – only electronics / P-USB3-004		
USB3 module –without metal enclosure	1 pcs	1 year Warranty
SW CorePlayer	1 license	-
Windows and Linux x86 SDK	1 licence	-

USB3 Module for FLIR TAU2

Phone numbers	**E-mail and Web**	**ID**	**Headquarters**	All pictures are only for ilustration
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