



WORKSWELL THERMOINSPECTOR

Quick Start Guide

Release date: 28th of July, 2016

End users Validity date: till next revision

Revision Number: 1.0

Package Content

Confirm that the package contains the items listed below.

- Central Passive Controller (CPC version)
- TouchScreen Panel Controller (TPC version)
- Workswell Infrared Camera
- Ethernet Cable
- DIO Terminal Block
- DIO Cable
- Calibration certificate
- Download Card
- Quick Start Guide

User Manual

User Manual is available in electronic form on the website:

<http://www.workswell.eu/documents/>

Focusing the camera

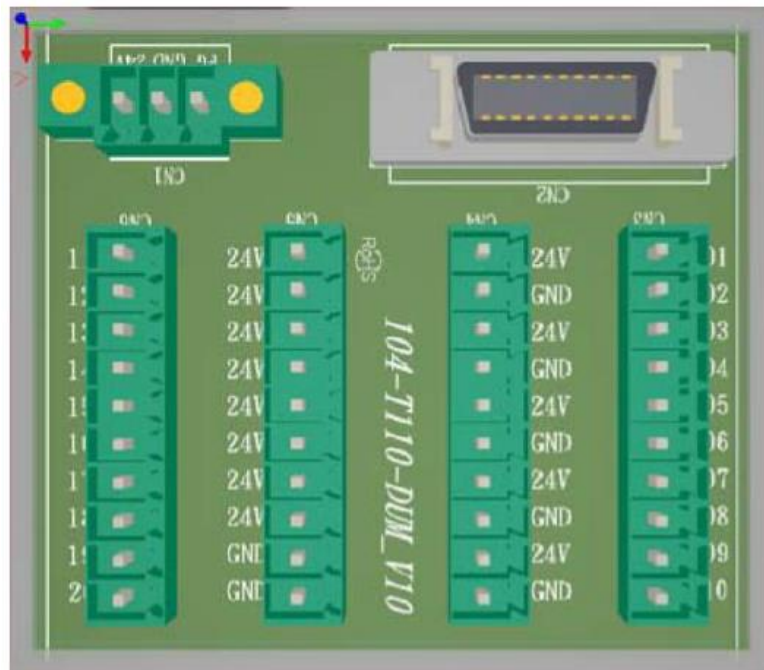
Short distance



Long distance



The distribution of digital inputs and outputs



Terminal Board with DIO

- 1) Powerline: CN6[10] (pin 20) wire to CN4[07] (pin 24V), CN3[09] (pin 09) wire to CN4[09] (pin 24V)
- 2) Grounding: CN3[10] (pin 10) wire to CN4[10] (pin GND)
- 3) Data line: Digital inputs are switched by a zero potential. Connection of digital input Connection of digital output need 2 wires (plus/minus), there are two options of connection: just contactor or 24V connection

Inputs:



	Wire Zero Potential
Latch Trigger	CN3[01] (pin 01)
Start Trigger	CN3[02] (pin 02)
Stop Trigger	CN3[03] (pin 03)
Calibration Trigger	CN3[04] (pin 04)

Outputs:

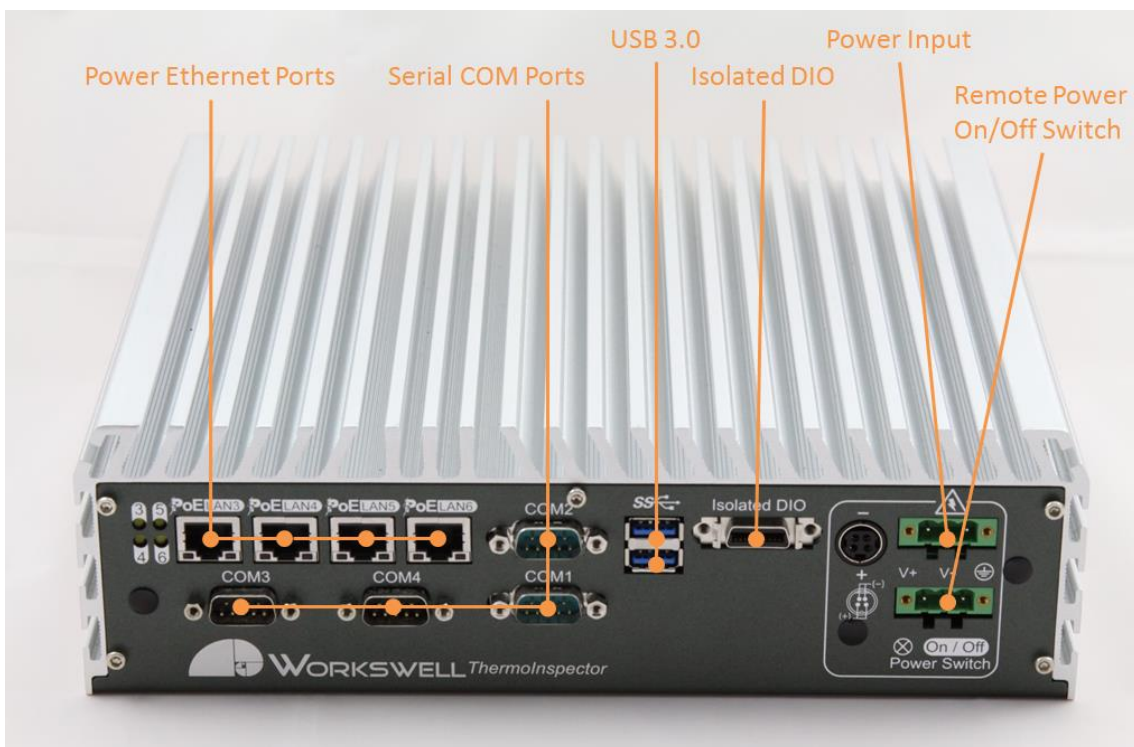
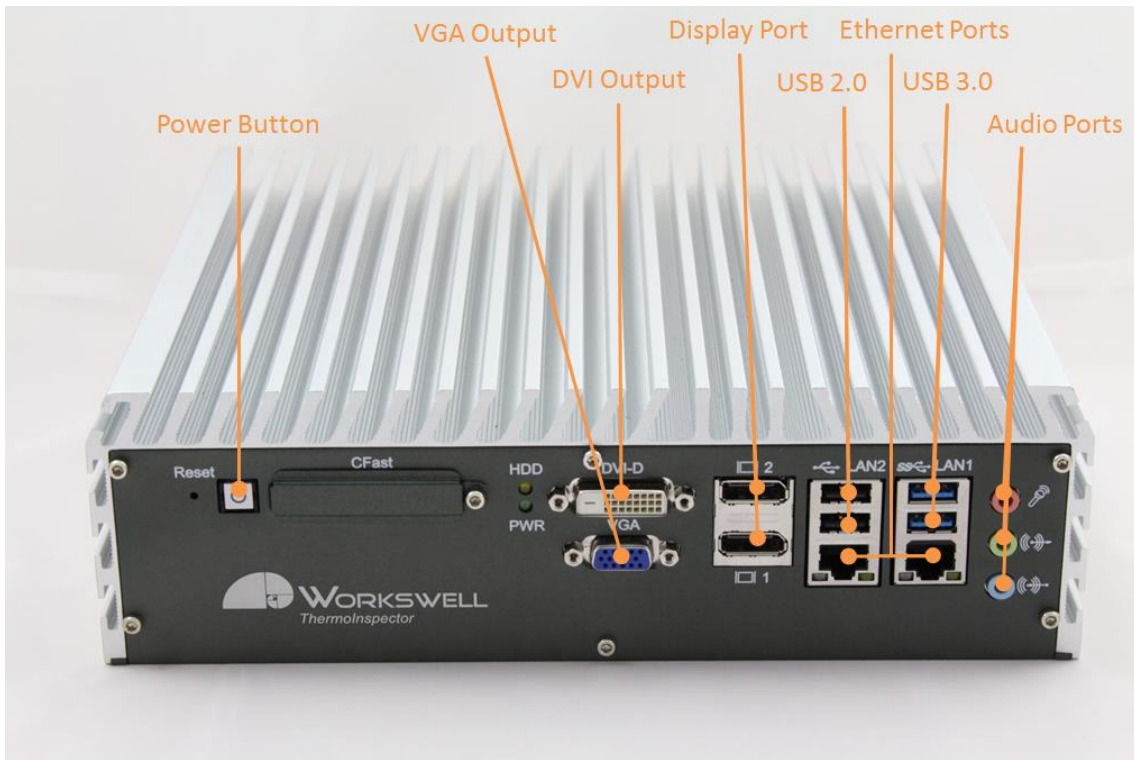
	Wire PLUS	Wire MINUS (Contact)	Wire MINUS (24 V)
Output 1	CN6[01] (pin 11)	GND	24V
Output 2	CN6[02] (pin 12)	GND	24V
Output 3	CN6[03] (pin 13)	GND	24V
Output 4	CN6[04] (pin 14)	GND	24V
Output 5	CN6[05] (pin 15)	GND	24V
Output Ready	CN6[08] (pin 18)	GND	24V

All GND pins and all 24V pins are common.

- 1) Connect 24V to terminal board CN1
- 2) Connect cable to DIO port and terminal board CN2



CPC – Central Passive Controller



Involvement of connector on controller

Workswell WIC





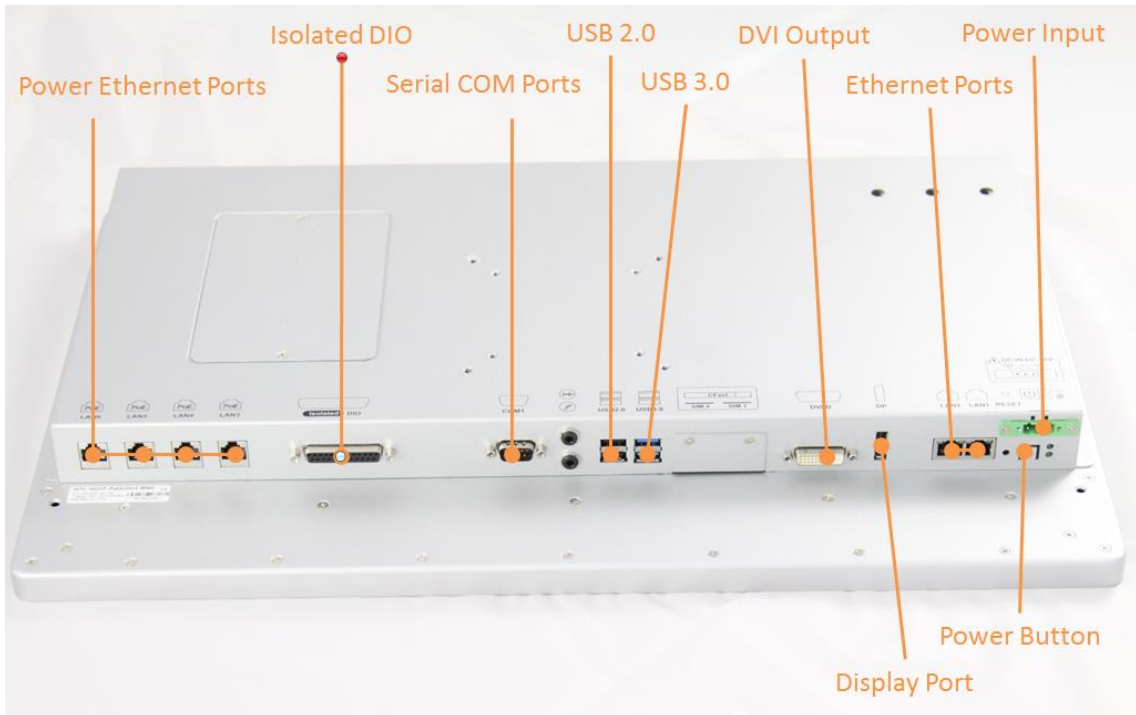
Wiring required cables to Central Passive Controller



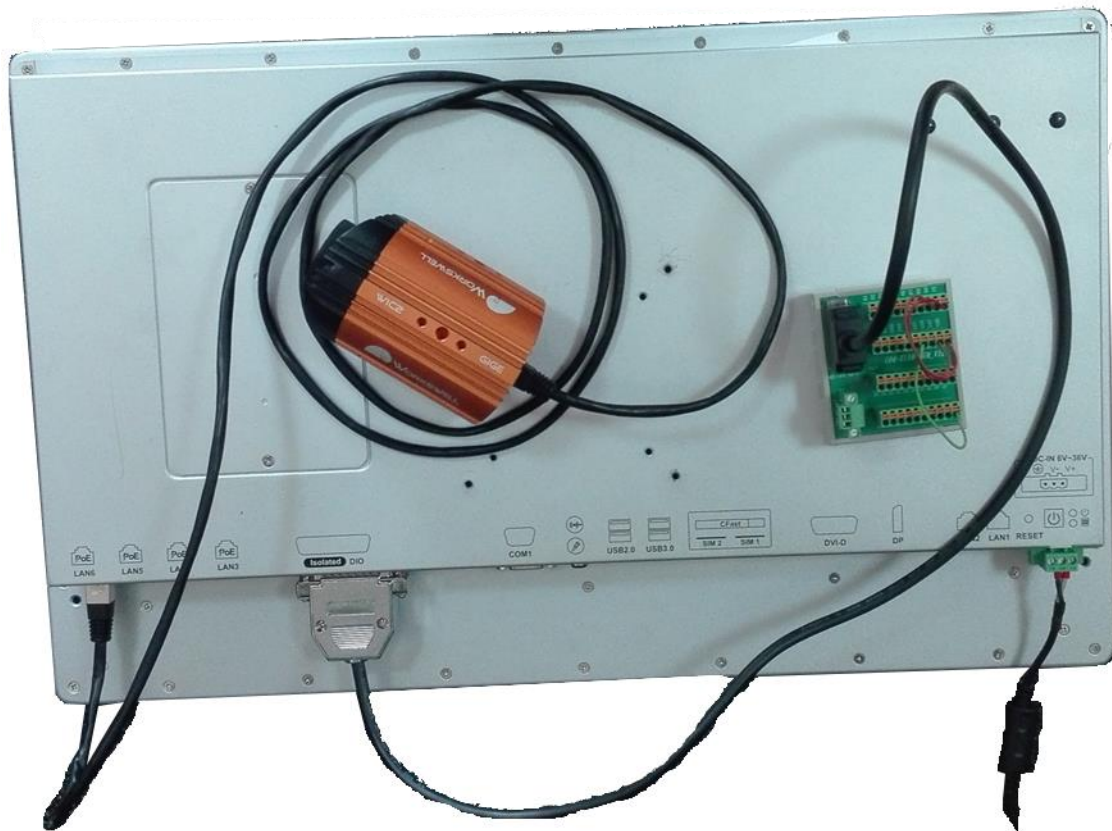
Power Input Connector



TPC – TouchScreen Panel Controller



Involvement of connector on controller



Wiring required cables to TouchScreen Panel Controller

Workswell WIC





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