

# I/O-Module

Extendable module for software RTV Control RT for fixed-installation thermal imagers of IMPAC



With trigger inputs and electrical alarm hand over to programmable logic controller (PLC), test benches and process control units

- ◆ Processing of analogue and digital signals
- ◆ Peripheral evaluation of process data via Ethernet network connection
- ◆ Easy integration of IMPAC software **RTV Control RT** via Ethernet interface to monitor characteristic thresholds etc.
- ◆ All-in-one temperature solutions for data analysis and processing
- ◆ Easy integration of I/O-system in on-site processes
- ◆ Coloured labelling of different functionalities of I/O-module
- ◆ Customer specific configuration of I/O-module on request (inputs and/or outputs)



I/O module

## Specification

### I/O-modules (standard versions)

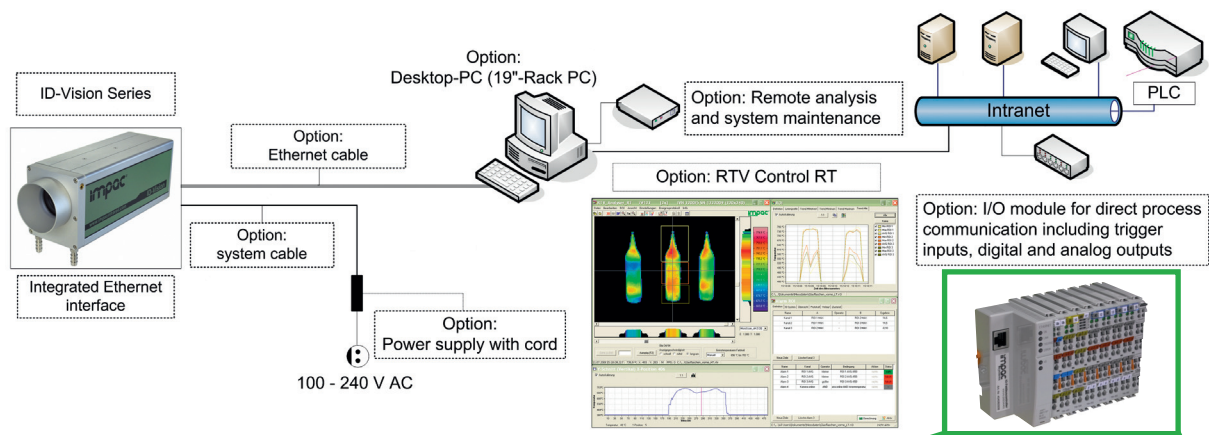
	4 DI / 4 DO / 4 AO	4 DI / 8 DO / 8 AO	4 DI / 16 DO / 16 AO
Digital input:	4 inputs (0 / 24 V)	4 inputs (0 / 24 V)	4 inputs (0 / 24 V)
Digital output:	4 outputs (0 / 24 V)	8 outputs (0 / 24 V)	16 outputs (0 / 24 V)
Analogue output:	4 outputs (0...20 mA)	8 outputs (0...20 mA)	16 outputs (0...20 mA)
Software interface:	Fast Ethernet with 10/100 Mbit/s via RJ45 connector		
Power consumption:	DC 24 V (-15% / +20%)		
Input current:	max. 500 mA at 24 V		
Casing:	Plastic		
Dimensions (mm):	160 x 65 x 100 (W x H x D)		
Mounting:	DIN rail mounting		

### Top hat rail power supply for I/O module

Voltage input:	100 ... 240 V AC
Voltage output:	24 V DC, max. 2,5 A

# Example of configuration

Temperature measurement system for process control using thermal imagers,  
Process control software RTV Control RT and I/O-module (4 DI / 8 DO / 8 AO)

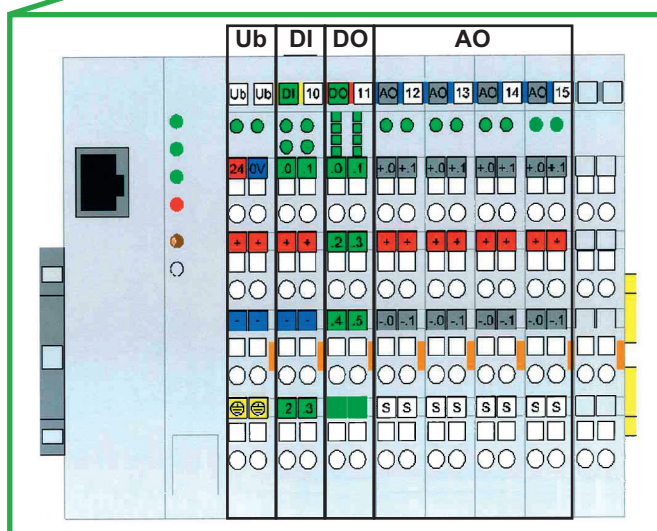


## Configuration example for ref. no. 3 831 770 (I/O-module with 4 DI / 8 DO / 8 AO)

- Ub: Power supply (24V)
- DI: 4 digital inputs (24 V)
- DO: 8 digital outputs (24 V)
- AO: 8 analogue outputs (0...20 mA)

Please note:

- Other customer specific configurations for input and/or output are available on request (Relay output, 4 ... 20 mA analog output, etc.).



# Reference numbers

- 3 831 690 Online software RTV Control RT (1 licence)
- 3 831 770 I/O-module for RTV Control RT (4DI / 4DO / 4AO)
- 3 831 780 I/O-module for RTV Control RT (4DI / 8DO / 8AO)
- 3 831 790 I/O-module for RTV Control RT (4DI / 16DO / 16AO)
- 3 832 970 Top hat rail power supply
- 3 830 500 1 day initial startup and training (Germany)
- 3 830 510 1 day initial startup and training (Europe)
- 3 830 520 1 day initial startup and training (worldwide)



Top hat rail power supply



For international contact information, visit [advancedenergy.com](http://advancedenergy.com).

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