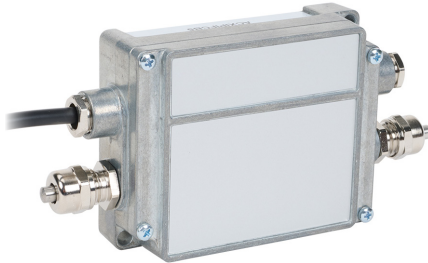




Xi 410 LT Series Infrared Thermal Cameras - Accessories

Discrete/Analog Process Interface Module



The Optris Industrial Process Interface (ACXIPIFCB5) bridges the gap between the Xi 410 LT thermal camera and your existing control system, providing 3 analog outputs, 3 alarm relay outputs, and 3 analog or digital inputs in a rugged IP65 (NEMA 4) enclosure rated for ambient temperatures from -30 to +85 °C. With 500 VAC RMS of electrical isolation between the camera and process, it is built for demanding industrial environments where reliable signal integrity matters. Up to three units can be cascaded together, scaling the system up to 9 total analog or alarm outputs when your application demands it. A dedicated fail-safe relay continuously monitors the entire system — including cabling, power supply, and software — and immediately triggers an alarm the moment anything goes wrong, giving you confidence that your process is always being watched.

Part No. [ACXIPIFCB5](#)

Optris Xi 410 LT Series Infrared Thermal Camera Process Interface Module

Part No.	Description	Weight	Drawing Link	Manufacturer Specifications	Manufacturer Technical Note	Price
ACXIPIFCB5	Optris discrete/analog process interface module, Analog Input: up to 3-channel, voltage, Analog Output: 3-channel, current/voltage, Discrete Input: up to 3-point, Discrete Output: 4-point, relay. For use with Optris Xi 410 LT series thermal cameras.	1.74	PDF	PDF	PDF	\$415.00

Process Interface Module General Specifications

Power Supply	5–24 VDC
Isolation Voltage	500 VAC RMS between camera and process
Analog Outputs	3× (AO1–3): 0/4–20 mA or 0–10V
Alarm Relay Outputs	3× (DO1–3): 0–30 VDC / 400 mA
Analog Inputs	2× (AI1–2): 0–10 VDC
Digital Input	1× (DI): 24 VDC
Fail-Safe Relay Output	0–30 VDC / 400 mA; time constant 1.5s
LED Display	2× green (power and fail-safe) / 3× red (alarm relay status)
Environmental Rating	IP65 (NEMA 4)
Ambient Temperature	-30 to +85 °C
Cable Length — Standard	5m HT cable
Weight (with 5m cable)	610g [21.5 oz]
Max Stacked PIFs (autonomous)	1 (3 analog outputs max)
Max Stacked PIFs (with PC)	3 (9 analog/alarm outputs total)
Fail-Safe Monitored Conditions	USB cable interruption to camera, PIF data cable interruption, PIF power interruption, software shutdown or crash

For additional details and wiring information see *Manufacturer's Technical Specifications and Manual*.

When to use:

The [ACXIPIFCB5](#) process interface is the right choice when you need additional analog and relay outputs wired directly into your control system — things like a 4–20 mA signal running to a PLC input card, or a relay output triggering an alarm light or shutting down a conveyor. It is hardware-based and works without a network, which makes it straightforward and reliable for traditional industrial wiring setups. It also includes the fail-safe relay that monitors the entire system continuously.