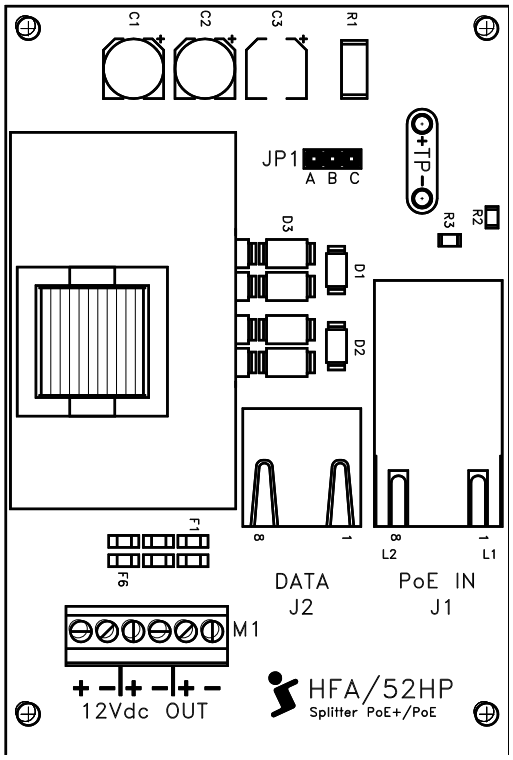
HFA/52HP

PoE+ Splitter Module (for *Flexa housing*)

IEEE 802.3at & IEEE 802.3af compliant

1) Module



J1 RJ-45 connector for PoE/IN (from PSE, Midspam)

J2 RJ-45 connector for connecting DATA with the camera (using CAT5e* cable supplied). The camera takes its power from **M1** terminal block.

M1 Terminal block. Three 12Vdc (typical) output

JP1 Jumper:

- **B+C**: it is important that during start-up, the module has a load connected to **M1**. Without load, eg. network-camera, close the jumper to simulate a dummy load. Remember to take it off for normal operation.

  Open: 12Vdc (typical) on **M1**
- **A+B:** 12,75Vdc (typical) on **M1**

L1 Green LED. It lights up for indicate a presence of PoE connection only.

L2 Yellow LED. It lights up, together L1, when a PoE+ connection is established.

TP Test point for measuring Vin from PSE, Midspam

2) Description

The HFA/52HP module has be designed to extract power from Power Sourcing Equipment (PSE) over conventional twisted pair Category 5 Ethernet cable, both the network camera as well as other utilities if present inside housing, such as: integrated IR-LED illuminator, heating circuit with low absorption (3W), air extraction/ventilation system, etc... for a total of 30W. The module conforms to IEEE802.3at standard for signature recognition and class programming. There are three power outputs on **M1**. The module is insert in the provided space below the camera holding slide. Supplied with 20cm CAT5e cable prewired. Compatible with 10/100/1000BASE-T networks.

1) Classification:	Class 4
2) **J1** (PoE-IN):	36V ÷ 57V (typical 48V ≤18W out)
	50V ÷ 57V (18W÷30W out)
3) **M1** (Vout typical):**	12Vdc/12,75Vdc (with Vin/PoE+ =52V at 25°C)
4) Operating temperature:	-40°C ÷ +50°C/30W out
	-40°C ÷ +70°C/24W out
	-40°C ÷ +85°C/14W out
5) Over-voltages:	protected from over-voltages exceeding max. 80V/1ms

* Ethernet CAT5e connection, colors as IEEE 802-3af method B (T568B Color)
(Pin1 white/orange, orange, white/green, blue, white/blue, green, white/brown, Pin8 brown)

** during start-up is required a load of 100mA. If not present external load, eg. network-camera, proceed as specified in chapter 1) Module/**JP1**

⚠ Do not use the module without a load connected, risk of damage. The power supply module must be supplied exclusively through the PoE+/PoE cable (Power Over Ethernet).

Note: in operation according to IEEE802.3af (PoE) only, will not be possible to provide power to integrated IR-LED illuminator (if present).

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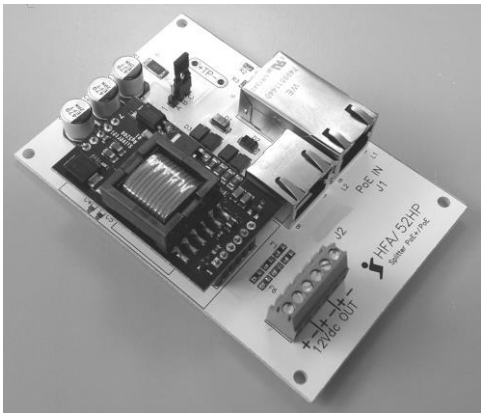
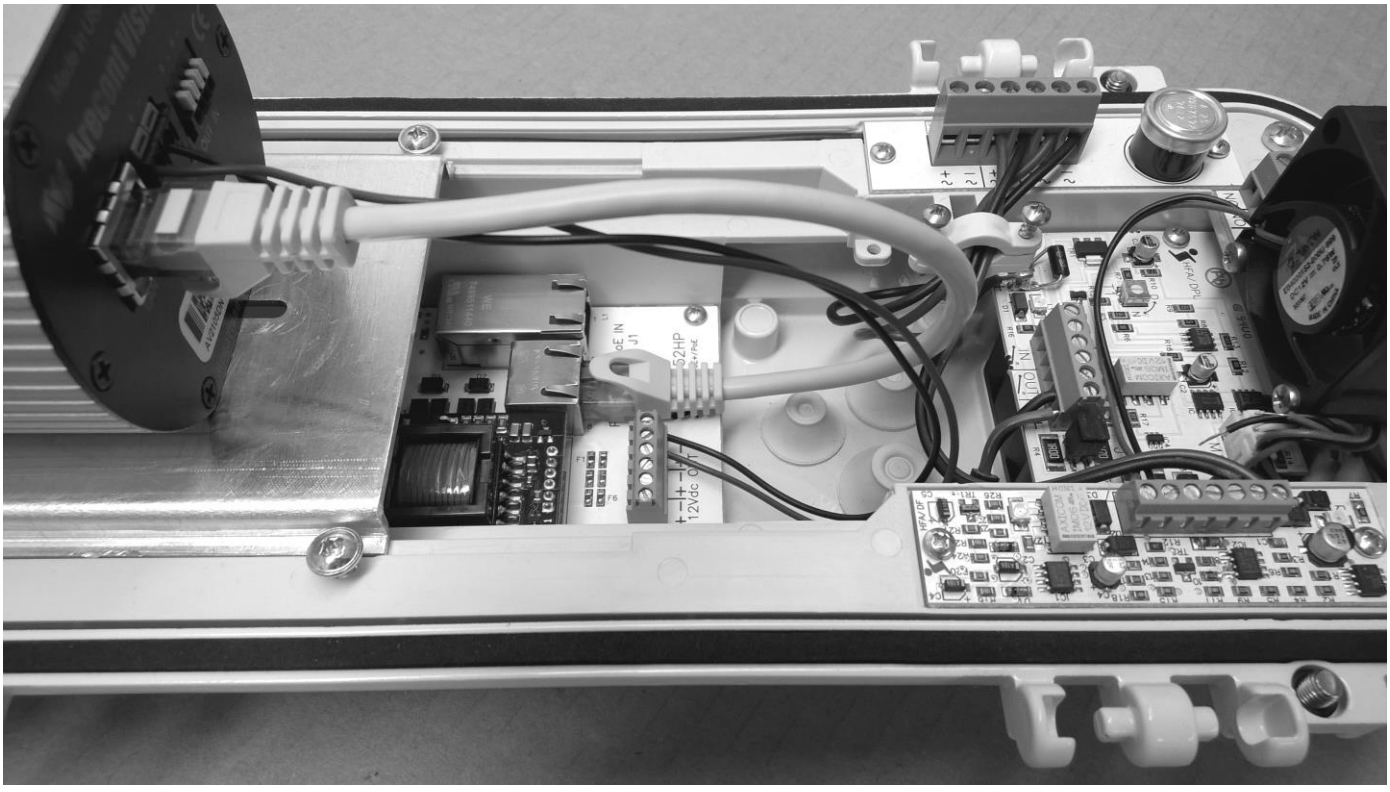
PoE+ splitter module, mod. HFA/52HP



Fasten the splitter module in the provided space under the slide camera support, using the supplied screws.



Note:

The picture show the internal housing with: thermostating heater circuit, IR-LED driver, PoE+ splitter module, FAN, FAN driver for forced ventilation or for air extraction (for housings with filters). An alarm signal for FAN STOP is available on driver.