

# PENSO-KIT case

Artificial Intelligence for machine vision - starter kit



**PRELIMINARY**



The **PENSO-KIT case** includes a selection of Opto Engineering components that will easily allow you to bring Artificial Intelligence into your applications.

This versatile kit is ideal for system integrators that are frequently dealing with new, challenging inspection processes. Artificial Intelligence can be an extremely powerful resource; therefore, it is extremely important to have quick access to it for testing, feasibility studies and demonstrations.

The kit contains PENSO, our innovative artificial-intelligence based vision unit, together with all necessary hardware to set it up: power supply, proximity sensor, color camera, 3D camera, lens, illuminator, strobe controller, cables and mounting mechanics. Saving time from choosing all the necessary individual components, a kit offers an ideal development tool at a bundle pricing.

Get the PENSO-KIT now, and start discovering the advantages of Artificial Intelligence!

Part number	Products included	Description
PENSO-KIT	<b>PENSO-01</b>	Artificial Intelligence-based Vision Unit
	<b>RT-DRP-240-24</b>	DIN rail power supply 240V ac - 24V dc 240 W
	<b>RT-70261132</b>	Power cord with schuko plug - open end cable, 3m 10A 250V, single-phase
	<b>RT-mvBF3-1013C-1112</b>	CMOS camera USB3, 1280 x 1024 gray, 1/1.8", 60 Hz, IR cut, C-mount, with I/O
	<b>CBUSB3001</b>	Passive USB 3.0 cable, industrial level, horizontal screw locking, 3 m
	<b>CBGPI001</b>	I/O cable, side 1 HIROSE 12 pin, side 2 cable end, 3 m
	<b>STLTCM01</b>	3D Structured-light Camera, 0.6-8.0 m range, USB 2.0
	<b>CBUSB20ACT01</b>	Active USB 2.0 cable, industrial level, screw locking, 10 m
	<b>EN2MP1214</b>	Megapixel lens, focal length 12 mm, f# 1.4-C, C-mount
	<b>RT-LSW-00-090-4-W-24V</b>	Continuous LED direct ringlight, inner diameter 40 mm, 0°, White
	<b>RT-LSW-00-090-4-DIF</b>	Diffuser for LSW-00-090-4
	<b>LTDV1CH-17V</b>	Strobe controller 1 channel variable current 5 mA - 17A
	<b>RT-SD-1000-D1</b>	Lighting controller unit, power adaptor 24V plug
	<b>RT-EXT-24V-F-3M</b>	24V Power cable, side 1 SM 3 PIN female connector side 2 flying leads , 3 Meter
	<b>CBPH003</b>	Photoelectric sensor cable, M12 connector to flying leads, length 5m
	<b>RT-WTB9-3P246</b>	Background suppression sick photoelectric sensor 20 - 350 mm detection range,PNP output, block style
	<b>RT-10060911</b>	Set of 2 8" x 10 " white balance/exposure cards - 18% grey and 90% white for color calibration