LYNCS-AI

low power multipurpose imaging platform
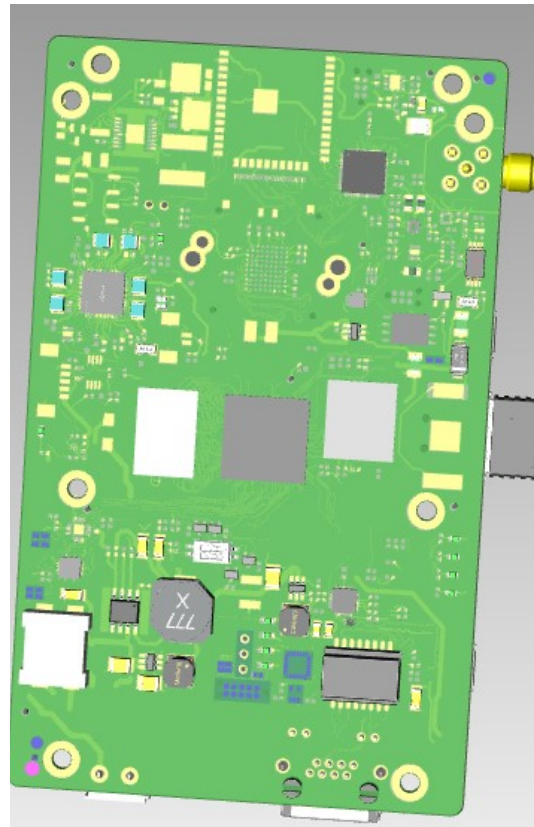
CMOS
AS0149 (FPD-Link)
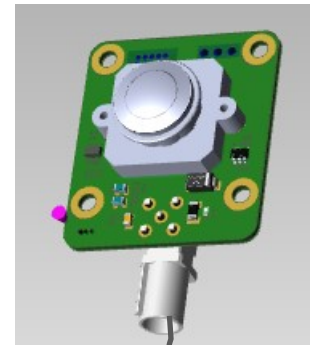
Coaxial
Up to 10m
15m in development
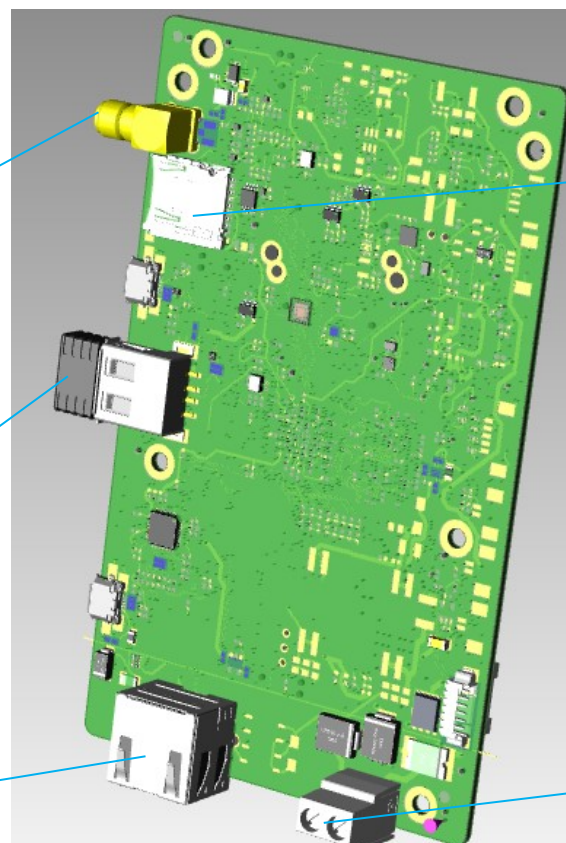
SD Card

Coaxial link FPD-Link compliant
Connector FAKRA compliant
Connector SMA compliant

WiFi (USB)

Power 8 - 24V
Left -
Right +

Ethernet
10/100 Mbit/s

Specifications

Dimensions	125 x 76 mm
Weight	max 100g
Operating temperature	With button cell: -30 to +70°C Without button cell: -40 to +85°C
Power consumption (12V)	350mA max, 4W max
CMOS	1280x800 HDR
CPU	i.MX 8M 4 cores @ 1.60GHz
RAM	2GB LPDDR4 (more on demand)
OS	Linux 5.15, SDK available
SD Card (optional)	mini SDHC
Wi-Fi (optional)	802.11 b/g/n, access point or connected to a router
Sensors (optional)	accelerometer, magnetometer, photometer

Power supply

External on 6 points connector or screw terminal (certified ES1/PS2)	8 to 24V (max 4W)

Connectivity

UART via USB	board fully controllable through an API
ONVIF / RTSP	Profile S compliant for remote surveillance
HTTP	web user interface with either Chrome, Firefox or Safari

Embedded image processing

Vehicle counting and classifying	6 classes classifier : car, bus, truck, van, motorbike and bicycles
People counting	Select on scene counting zones and evaluate flows direction
License plate recognition	French license plates only. More on demand
Motion detection	Select on scene zones to monitor