



# C40PL

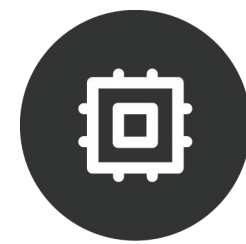
**| Open Source AI Camera**

T-CHIP INTELLIGENCE TECHNOLOGY

V1.0



# Product features



## Quad-core AI vision Soc

Low-power AI vision processor RV1126 quad-core 32-bit ARM Cortex-A7 architecture, up to 1.5GHz.



## 4M pixel, HD and HDR

Owing to a large-aperture high-precision optical 4M pixel lens, with resolution up to 2688\*1520, HDR function and dynamic range up to 120db



## H.265 encoding & decoding

Built-in Video CODEC supports multi-channel H.264/H.265 4K@30FPS video encoding and decoding



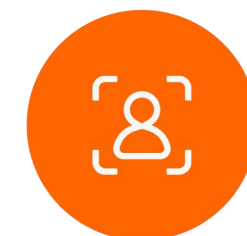
## IP67 waterproof design

IP67 waterproof and dustproof design makes the camera easier to deal with outdoor surveillance and rainy and snowy weather.



## Powerful AI computing NPU

Built-in neural network processor NPU with computing power up to 2.0 Tops , it supports direct conversion and deployment of Tensorflow PyTorch, Caffe, MxNet, DarkNet, ONNX, etc.



## Supports face recognition

It supports face detection, face recognition, event detection, video playback, and supports RTSP or RTMP transmission protocol.



# Specifications

## Specifications

Type	C40PL AI Camera
Resolution	1520P(2688×1520, 4M pixel)
Focal Length	5.2mm(Range: 1.18m ~6.38m)
Lens Angle	111°
WDR	120dB
Video Encoding	H.264/H.265 4K@30FPS
Network Interface	RJ45(GbE)
Power	48V-0.5A(POE)
OS	Linux
Size	249×124×90.8 (mm)
Operating Temperature	-10°C ~ 60°C
IP Rating	IP67waterproof and dustproof design
CPU	RV1126 quad-coreARM Cortex-A732-bit kernel, integrated with NEONand FPU
NPU	2.0Tops, supports INT8/ INT16Strong network model compatibility, easy conversion of frameworks like Tensor Flow/MXNet/PyTorch/Caffe
RAM	2GB DDR4
Storage	16GB eMMC
Intelligent Alarming	Motion detection, intrusion detection, covering detection
Mode	Supports Day/Night mode switching, Fill Light mode
Protocol	Supports RTSP/RTMP
Face Recognition	Supports face detection, face recognition
Back-Stage Management	Video preview playback, face recognition management, network settings, video settings, audio settings, image settings, event management, configurationplan, storage management, intelligent analysis

# Dimension





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