OpenNCC® IP4

Faster Production Solutions for Edge-AI Vision Developers

intel IoT Solutions Alliance | OpenVINO | intel RFP Ready

OpenNCC is the leading accelerated AI camera platform for vision applications in Health and Safety designed and manufactured by Eyecloud.ai. Target applications include Healthcare, Security Monitoring, Workplace Safety, and Logistics Management. OpenNCC have these benefits:

- **Accelerate Time to Market**
  Faster AI algorithm development, field deployments, and production
- **Custom Differentiation**
  Open hardware and software flexibility to uniquely deliver edge AI solutions
- **Simplify Development**
  Eliminate hardware integration complexity of deep learning vision systems
- **Improve ROI**
  Eliminates edge AI camera product development and production risks

OpenNCC IP4 Features

- Integrated AI Vision 4K UHD Camera with replaceable lens for different scene adoption
- Advanced Deep Learning MyriadX Platform
- Edge-AI Open source ML Video SDK
- Ethernet Connected Camera System for IoT cloud management

EyeCloud.AI is the leading supplier of open AI vision appliances. Aim to support tech companies overcome development and production challenges of edge AI vision products with expertise in advanced hardware production, embedded software, complex IoT management and cloud services. Successfully developed production edge AI vision solutions for customers around the globe in security/surveillance, healthcare, safety and consumer markets with Edge AI ecosystem partners. EyeCloud believes in open platform open source collaboration, Eyecloud offers engineering services to enable customization to meet individual application unique requirements. Founded in 2018, Eyecloud has received several industry awards for its insight and innovations in edge AI deployment.

OpenNCC® IP4

Technical Specifications

AI	
Supported AI Models	Most models in Intel OpenVINO™ model zoo
Supported Frameworks	ONNX, TensorFlow, Caffee, MXNet, Kaldi
CNN Accelerator(s)	Two
Software	
ISP	Included in Intel® Movidius™ Myriad™ X
Supported Protocols	ipv4, tcp / ip, http, udp, rtp, rtcp, rtsp, dhcp, ftp, onvif
Supported SW Applicatons	Raspberry Pi Applications
Open Source	OpenNCC IP CDK, Development Technical Document Configuration Tool OpenNCC IP View
Supported Languages	C / C++ / Python
SDK Supported Functions	Get Video Stream AI Model Download and Replacement Get Model Operation Results Camera Photo, and Reset
OpenNCC View Functions	Configure Camera Parameters, Configure Camera local AI Model Support ONVIF to scan the cameras Display live stream
OpenNCC CDK Supported OS	Linux / Windows
OpenNCC View Supported OS	Linux
Hardware	
VPU	Intel Myriad X
RAM	8Gb
Resolution	Programmable to 3840 × 2160 and 1920 × 1080 two output modes
Video Format	H.264, H.265
Camera Sensor	8.3MP Rolling Shutter
Frame Rate	30fps
Lens Field of View(FOV)	C-Mount (D)FOV: 45 - 125°
Size	140 mm*75 mm*55 mm
Weight	670g
Power Supply	12V DC
Display Port	HDMI x 1
Ports Supported for Development	
Ethernet	RJ45
GPIO	x 6
USB	x 2 (Mouse and Keyboard) and support Video output

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