OpenNCC® IR+

Faster Production for Edge-AI Vision

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 benefits

◆ **Faster Time to Market**
Faster AI algorithm development, field deployments, and production

◆ **Custom Features**
Open hardware and software for differentiated edge-AI solutions

◆ **Simplified Development**
Streamlining hardware integration for deep learning vision systems

◆ **Higher ROI**
Eliminating edge-AI camera development

OpenNCC IR+ Features

◆ Open-source SDK for system integration

◆ Alarm push and remote on-site management

◆ Automatic check of temperature and mask

◆ CE certification

EyeCloud.AI is a leading supplier of open AI vision appliances. We help vision developers overcome the integration and production challenges of delivering edge-AI vision products through our expertise in advanced hardware production, embedded software, IoT management, and cloud services.

We have successfully developed production edge-AI vision solutions for customers all around the globe in the security, surveillance, healthcare, safety, and consumer markets.

We offer open-platform, open-source engineering services to enable customization to mee individual application unique requirements.

OpenNCC® IR+
Technical Specifications

AI	
Supported AI Models	Facemask detection
Supported Frameworks	ONNX, TensorFlow, Caffee, MXNet, Kaldi
CNN Accelerator(s)	One
Software	
ISP	Included in Intel® Movidius™ Myriad™ X
Supported Protocols	RTSP
Hardware	
VPU	Intel Myriad X
RAM	4Gb
Resolution	Infrared: 256 × 192 RGB: 1920 × 1080
Video Format	H.265
Camera Sensor	Long distance infrared module 2K RGB module
Frame Rate	Infrared: up to 25fps RGB: up to 30fps
Field of View(FOV)	FOV: 42°
Size	120mm*100mm*80mm
Weight	710g
Power Supply	5V DC
Display Port	HDMI x 1
Detector NETD	≤30 mK @f/1.0 300 K
Ports Supported for Development	
Ethernet	RJ45
USB	USB 2.0
Thermal Scanner	
Accuracy	±0.3°C @object temperature 30~45°C (with blackbody) ±0.5°C @object temperature 30~45°C (without blackbody)
Temperature Range	0-50°C
Measuring Temperature Distance	1 ~ 15 feet
Maximum number of people in the Field of View	Up to 25 people
Installation	Auto-calibration with blackbody
Pedestrian signals	Elevated skin temperature & facemask warning
Pedestrian alarms	Speaker
Facemask checking from distance	Included
Management	
Centralized management	Multi-site management
Messaging notification	
Messaging notification	Pedestrian enter/exit control Occupancy management Physical (social) distancing alert & metrics

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