

Medical ArMD AI Solution with ONNX runtime

High Speed & High Accuracy



AI

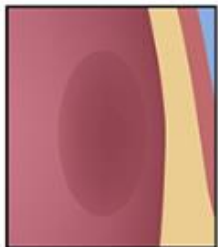
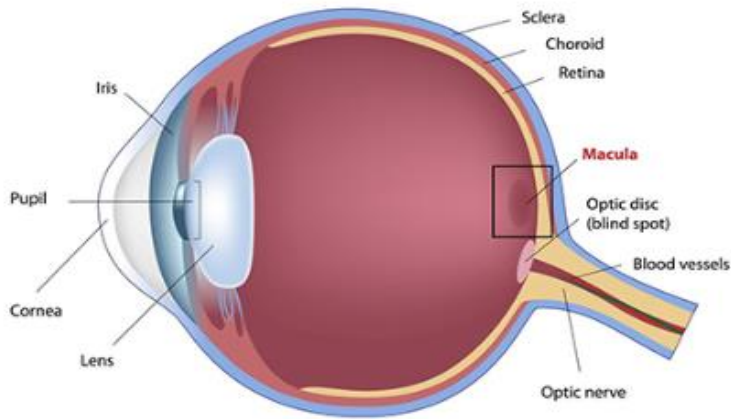


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What is ArMD?

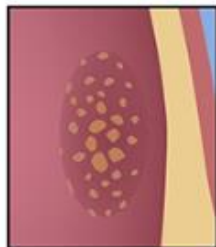
Age-related Macular Degeneration (ArMD) is a leading cause of vision loss. However, the earlier you catch wet ArMD, the better chance you have of preserving your vision.



Normal



Active Wet



Inactive Wet

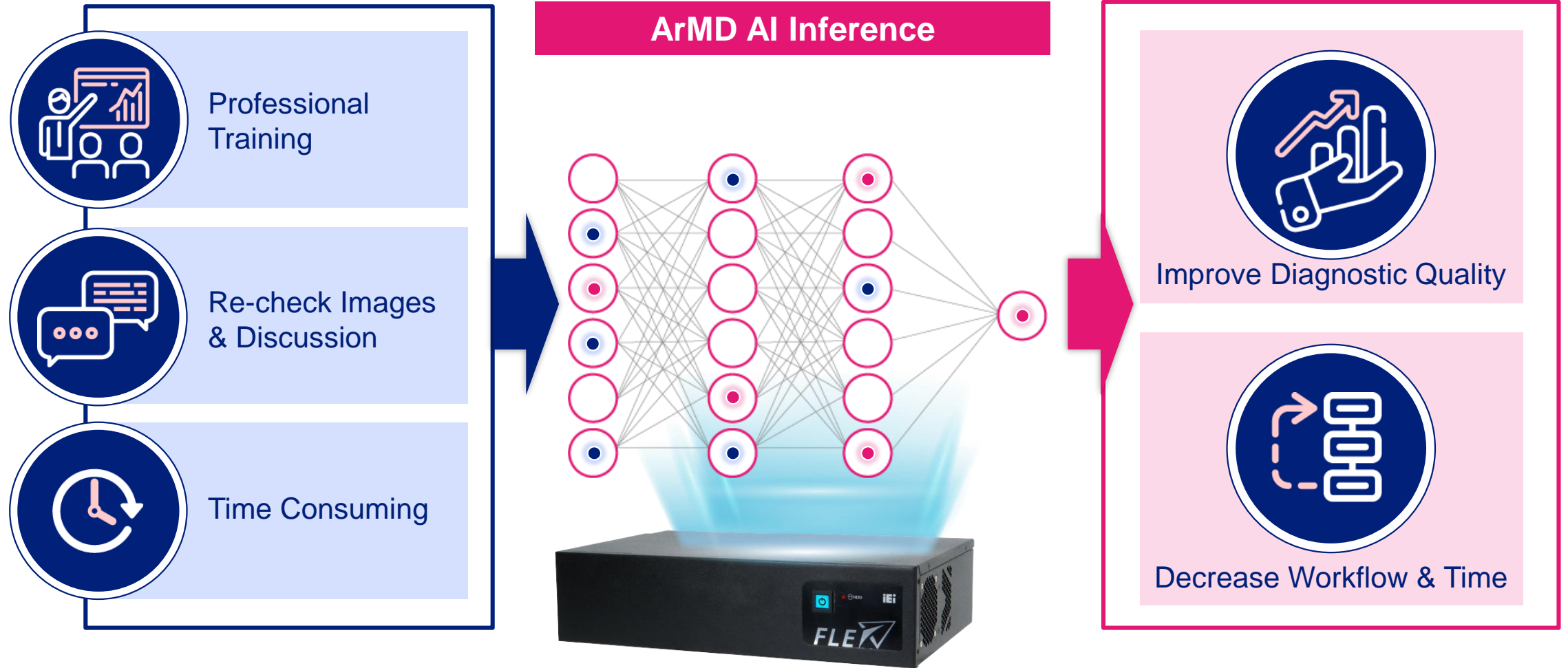


Normal vision



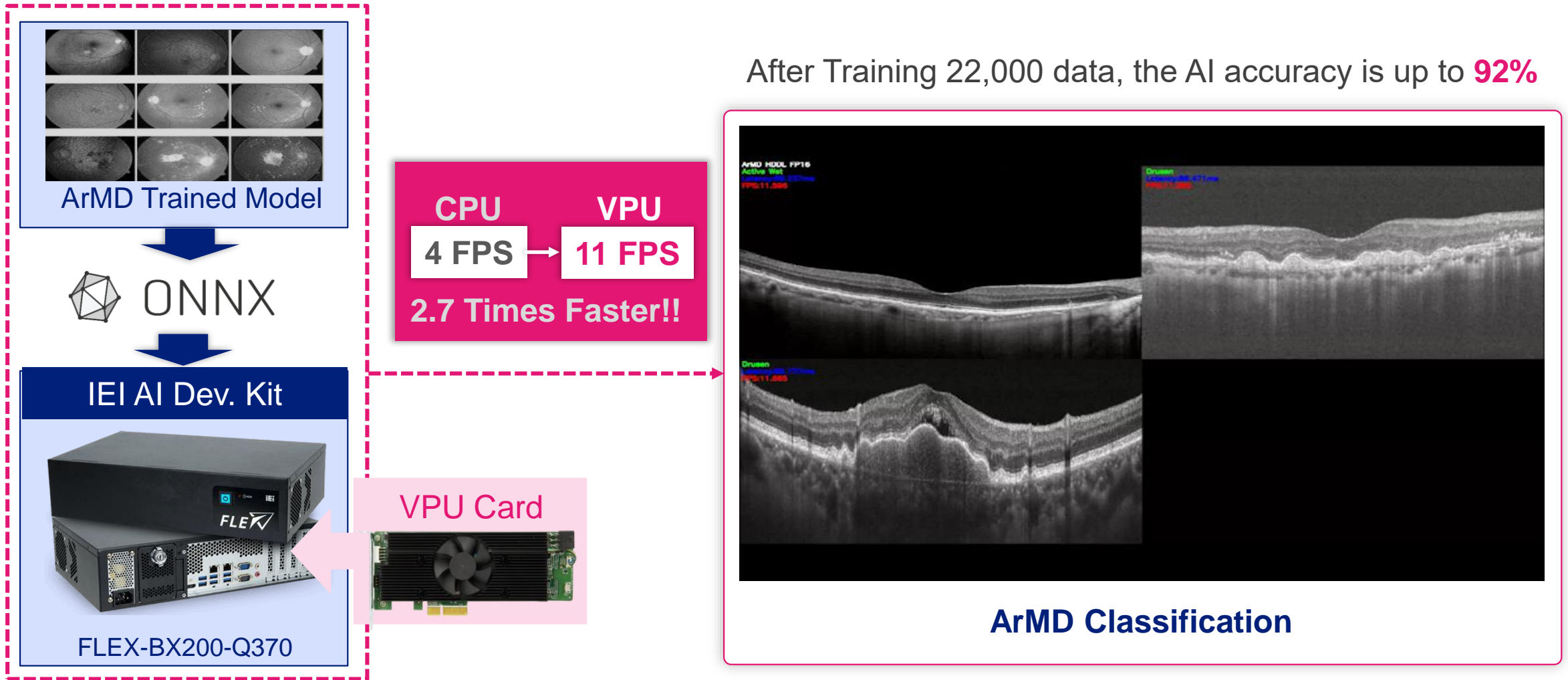
Wet macular degeneration
(visual distortion)

Clinical Pain Points

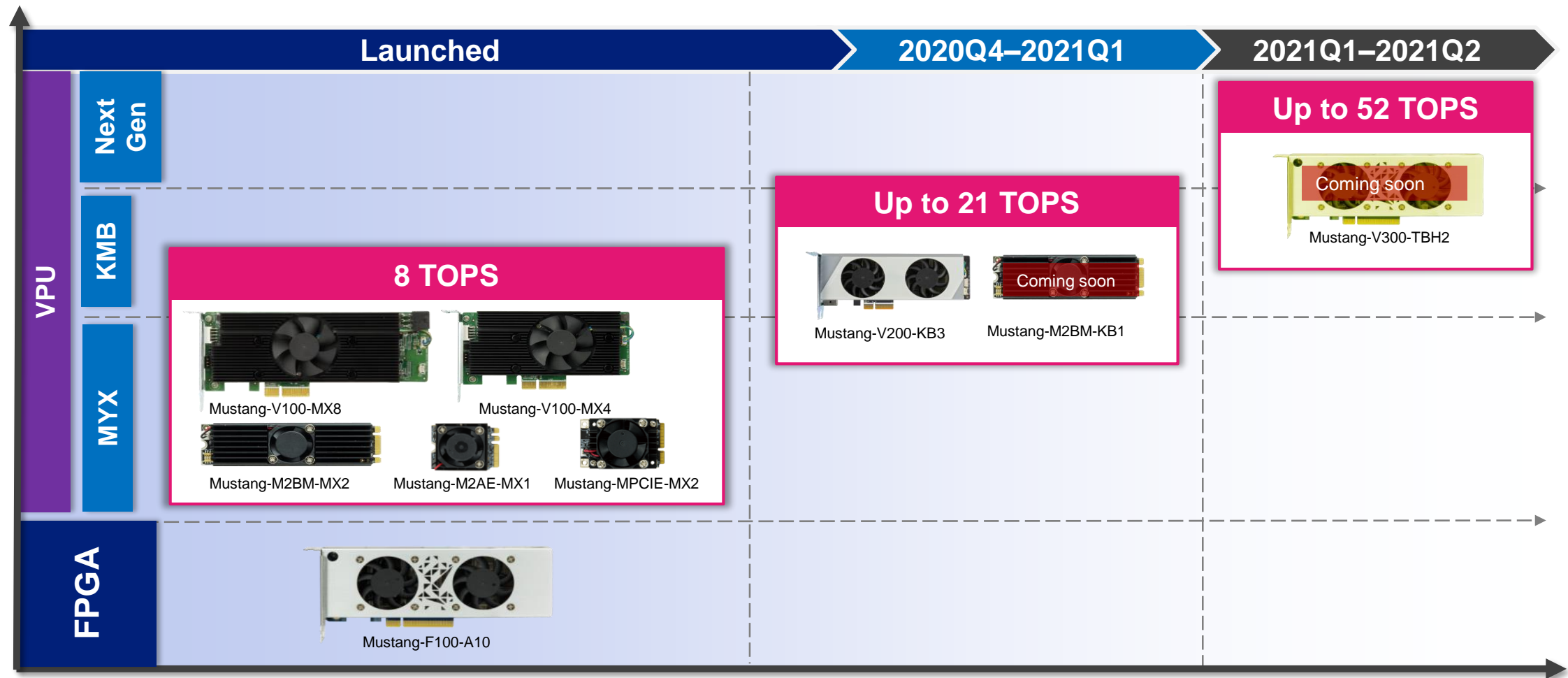


ArMD AI Inference Process

After Training 22,000 data, the AI accuracy is up to **92%**



Mustang Accelerator Roadmap



AIoT Dev. Kit Roadmap

| Schedule | Launched | | | | | 2020 | 2021 | |
|---|--|--|--|--|--|--|------|----|
| | | | | | | Q4 | Q1 | Q2 |
| Intel® Vision Accelerator Design Integrated Systems | TANK AIoT Dev. Kit With Mustang-V100-MX8 | | | | | | | |
| | | | FLEX AIoT Dev. Kit With Mustang-V100-MX8 | | | | | |
| | | | | | | FLEX AIoT Dev. Kit With Mustang-V200-KB3 | | |



Smart City Solution



- IEI TANK-870AI Dev. Kit
- Application: Pedestrian, vehicle , behaviour monitoring, Object Recognition



Up to 2 x Myriad
AI VPU's

OpenVINO™

OpenVINO™
Toolkit



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Access Control Solution



- IEC FLEX-BX200 Dev. Kit
- Application: Object Recognition



Support up to 4
Mustang-V100
PCIe Cards

OpenVINO™

OpenVINO™
Toolkit



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FaceMe | Face Recognition w/Ultra High Model



Celeron CPU

3868.7ms

195.1ms

Movidius VPU

Time required for Face Recognition (Smaller is faster)

Smart Transportation Solution



- IEC ITG-100AI
- Application: Driver Behavior Monitoring



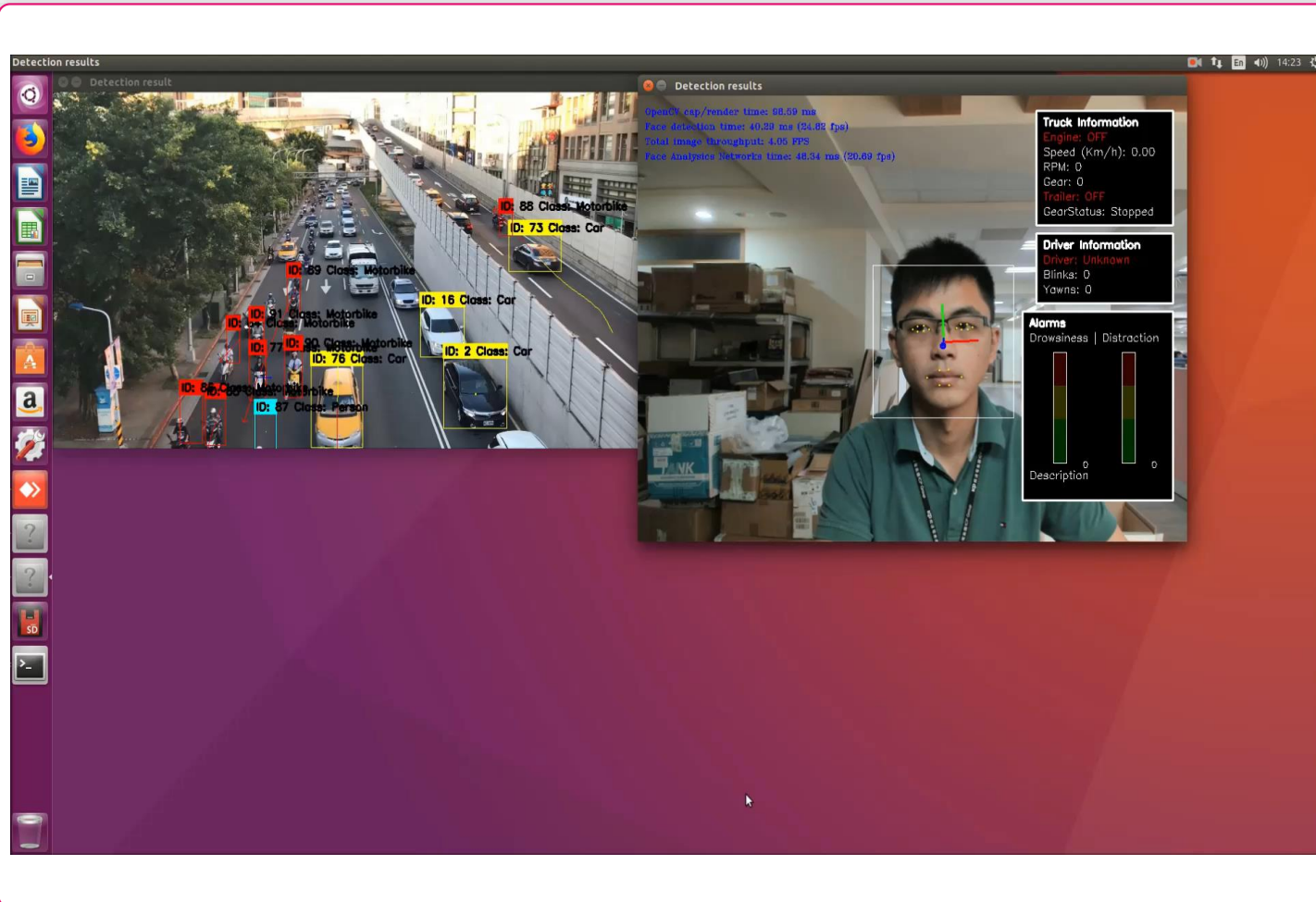
Ultra Compact
Size



Embedded
2 x Myriad
AI VPU



OpenVINO™
Toolkit



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