



eltic-Plus⁺

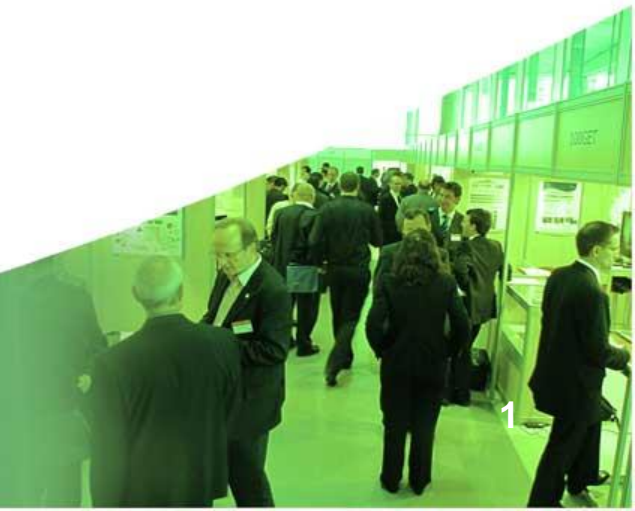
Smart Connected World



Celtic-Plus Event
Project Ideas and Networking
19st May 2017, Barcelona

Pitch of the Project Proposal Smart IoT Camera for Home Security

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- Fires cause \$15 billion in direct damage each year and it increases 10% every year
- Most of the detectors detect fire too late for firefighting
- To develop an affordable IoT camera for detecting fire using video fire detection (VFD) technology
- Bring the VFD technology to Smart Home Security market



Organisation Profile



| | |
|---------------------|---|
| Company Name | VisionIn Inc. |
| Establish Date | 2014 |
| CEO | Hakil Kim |
| Business | Computer Vision, Machine Vision, Intelligent Video Surveillance, Biometrics |
| Location | Incheon, South Korea |
| Capital | \$100,000 |
| Web site | http://vision-in.co.kr/ |
| Employee | 11 |

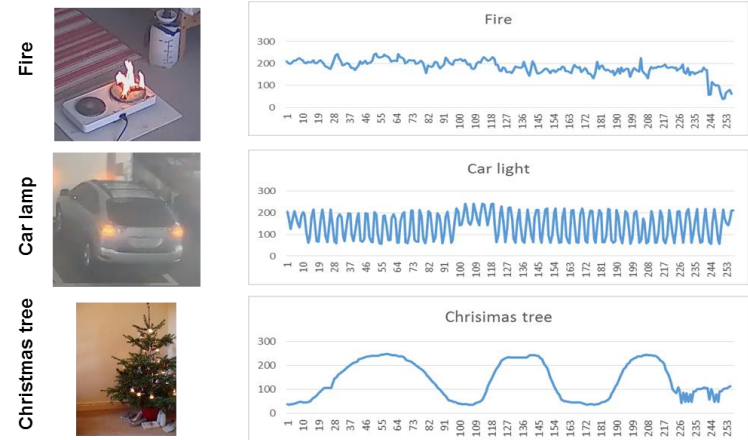
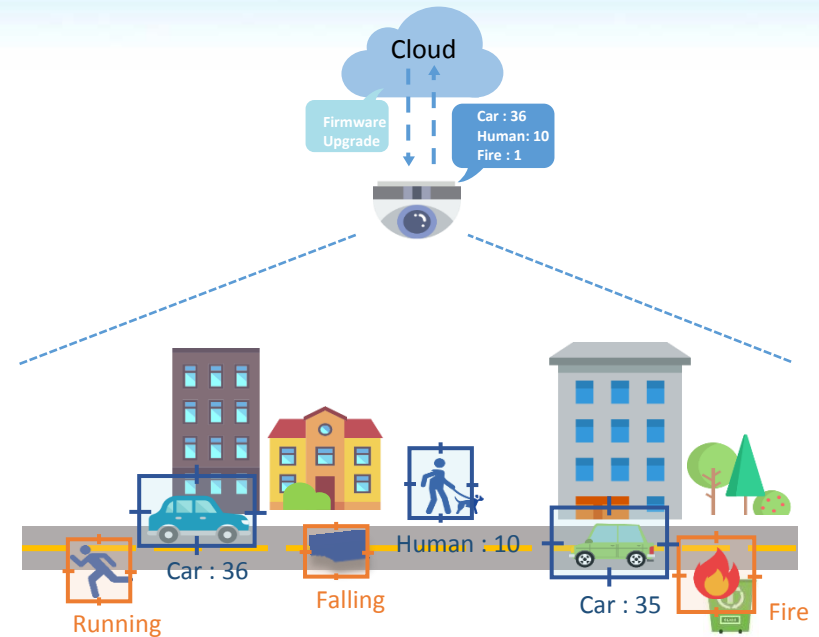
Proposal Introduction (1)

Project Description

- Develop a Smart IoT Camera and peripheral technology
- Computer Vision based Fire and Smoke detection
- Extendable Video Analysis module for other applications
- Cloud service for video streaming and storage

Innovation

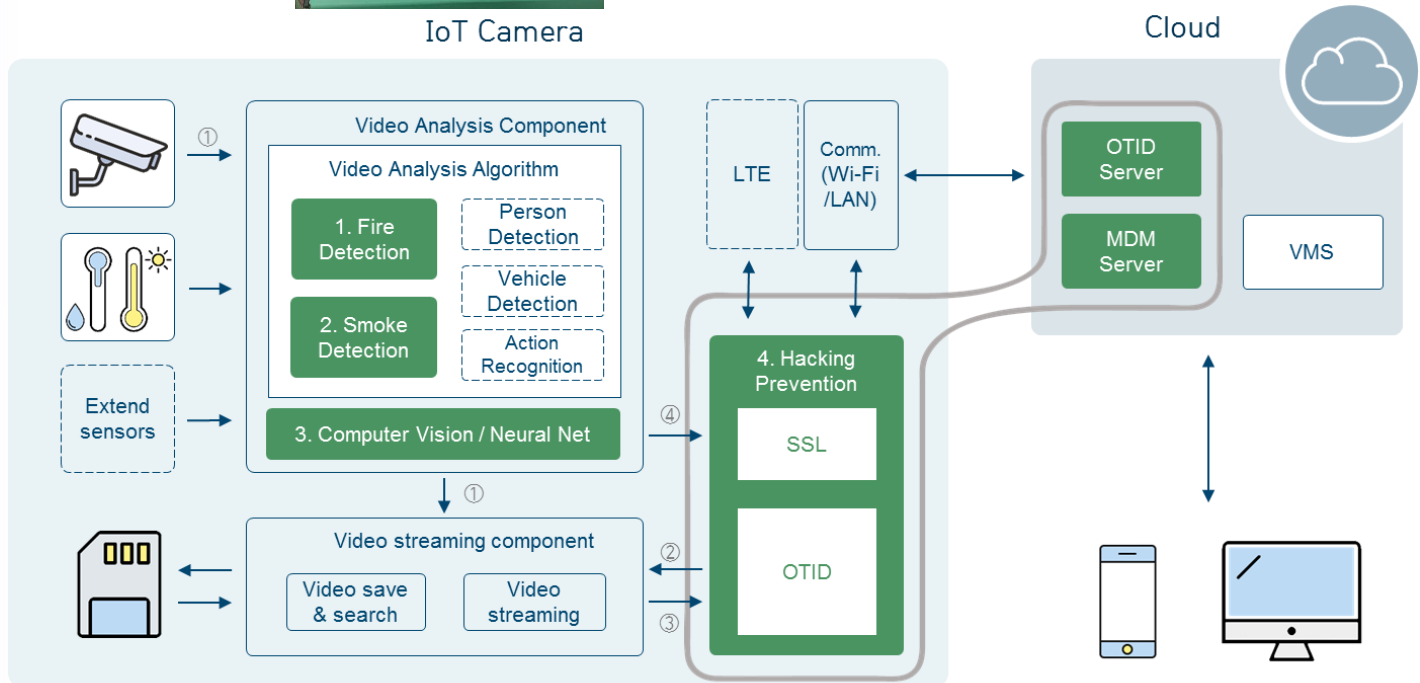
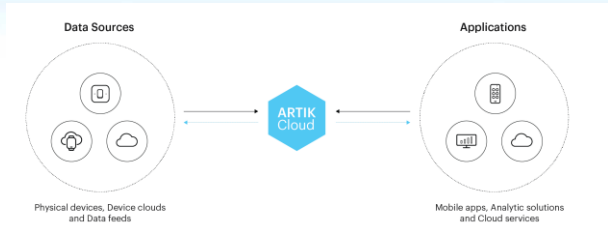
- Fire & smoke detection rate 98% above, 10s less
- Robust to false alarm by Self-learning Neural Network
- Reduce cost by local analytics and cloud technologies
- Easy to install and maintain



Proposal Introduction (2)



IoT Camera



- Current Work Items**
- Future Work Items**
- ① Raw Video Stream
- ② User request
- ③ Live/Save Video Stream
- ④ Alarm
- SSL: Secure Socket Layer
- OTID: One-Time ID
- MDM: Multi-Device Mgmt.

Type of Partner Needed

- SME
- Large company
- University

Required expertise of possible partners:

- ICT, Electronics, SoC, Embedded developer
- Hardware manufactures
- Security service providers
- Cloud service developer

Roles of possible partners in the project

- Design and prototype IoT camera hardware
- Develop cloud video streaming and storage service

Contact Info

For more information and for interest to participate please contact:



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|-----------------------|---------------------------|
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