



# Ai based ATM Monitoring

LucrorAi



© 2019 Luccor. All Rights Reserved. Strictly Confidential

# Ai Shield



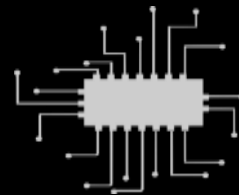
Camera based Edge  
Video Analytics  
Solution

Visual Evidence  
of alerts



AI-Neural Network  
Technology based  
solution

Reliable & Robust  
than traditional  
technologies



Edge Processing  
based Solution

Real-time Inference  
and Data-privacy

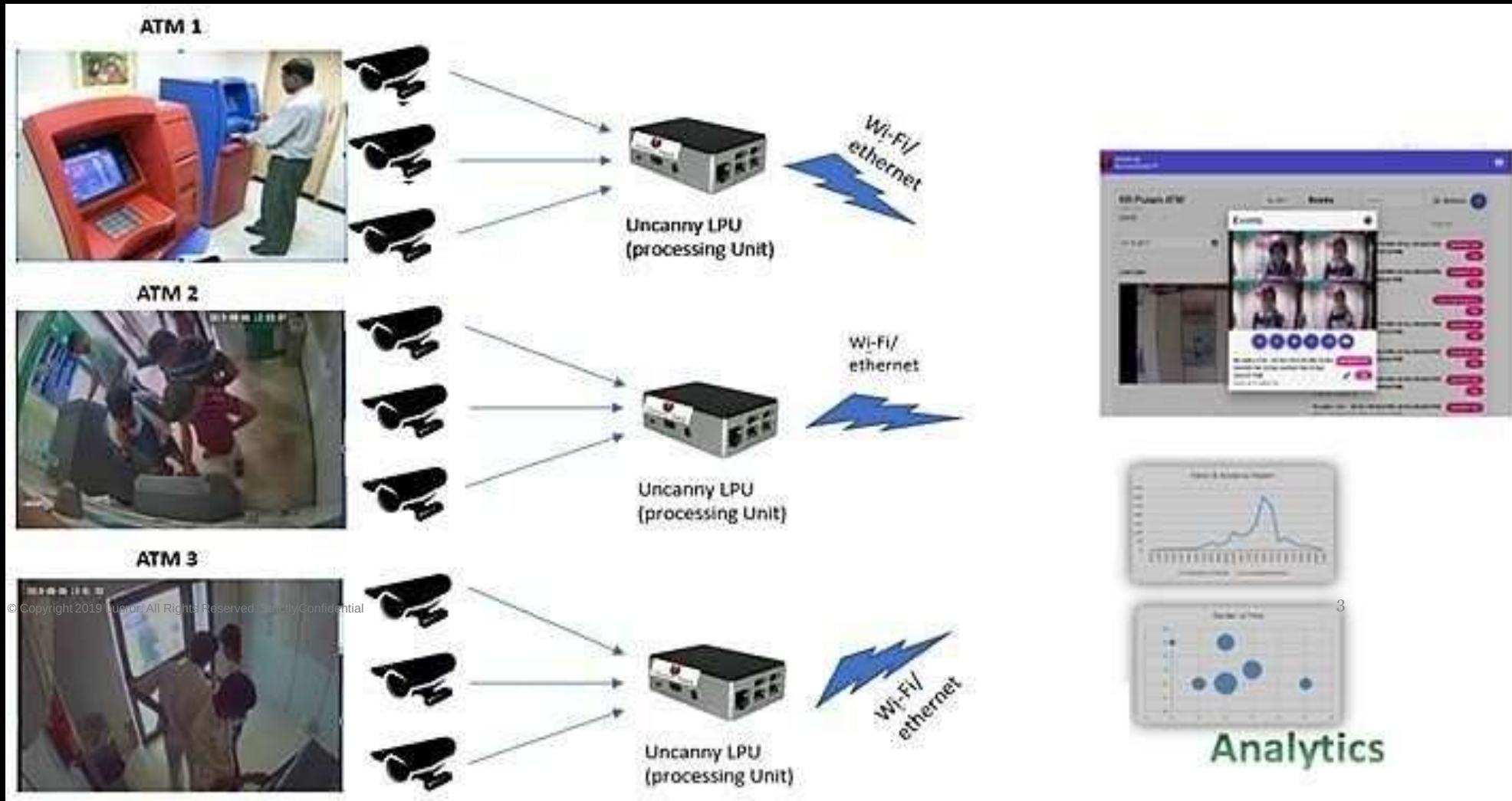


Highest Accuracy  
Solution

Inference model  
trained over million  
of images



# ATM Architecture



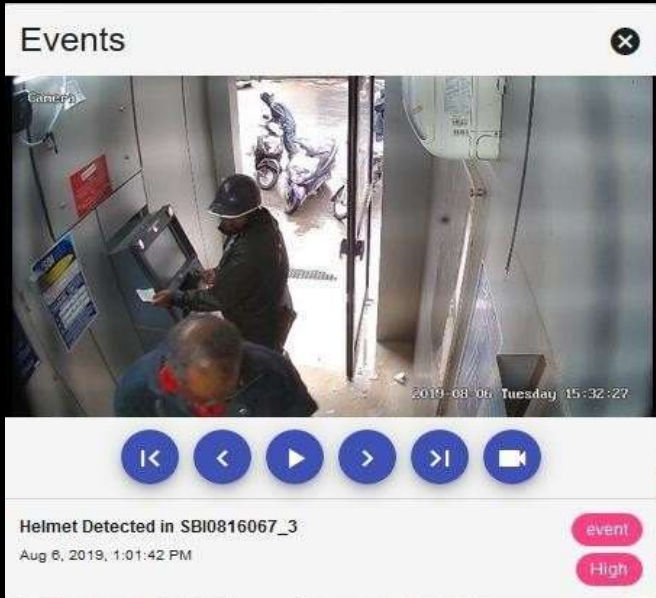
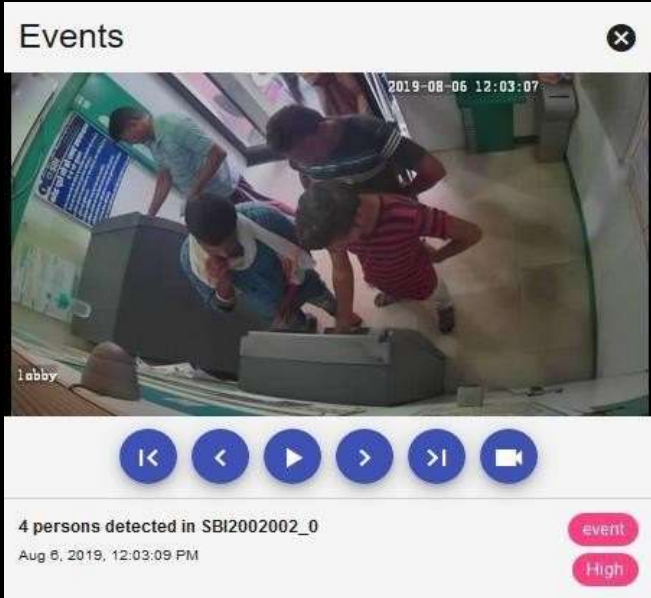
# Key Features

- High Reliable People Detection using AI (Neural Network) based technology
- Low false alarm due to shadows & lighting changes
- Configurable Region of Interest
- Highly Optimized algorithm to run on low power edge devices.
- Action/ Posture Recognition for advanced analytics
- Support of Edge/ Server platform for flexibility
- Monitoring services for edge devices for high uptime maintenance
- All algorithm and application inhouse developed





# ATM Application



## Experience:

- Secured order for 9000 ATMs
- Executed 5000 + ATM

- Video Analytics Performed
- Multiple people detection
- Helmet/Scarf/Turban/Mask detection
- Tampering
- Loitering detection



©  
C  
o  
p  
y  
  
2  
0  
1  
9  
L  
u  
c  
r  
o  
r  
.  
A  
l  
l  
R  
i  
g  
h  
t  
s  
R  
e  
s  
e  
r  
v  
e  
d  
.  
S  
t  
r  
i  
c  
t  
l  
y  
C  
o  
n  
f  
i  
d  
e  
n  
t

# ATM Application

## Multiple People Detection

- Reliable detection of people
- Multiple ROI feature to handle multiple ATM machine rooms
- Alert based on time pre-configured
- No of person for alert also can be configured.

## Unexpected Action Recognition

- Understand if people is performing unusual action like bending down, fallen or extending its arm to touch any infra

## Facemask/ Cap/ Helmet Detection

- Detect if person face is covered or if person has worn facemask, cap or helmet
- Most of the crimes are associated with people with covered faces

## Customization on Request

- Skimming Detection
- Training for special objects of interest
- Detecting if person in front of ATM but not performing transaction ( Need a input from machine)

## Loitering Detection

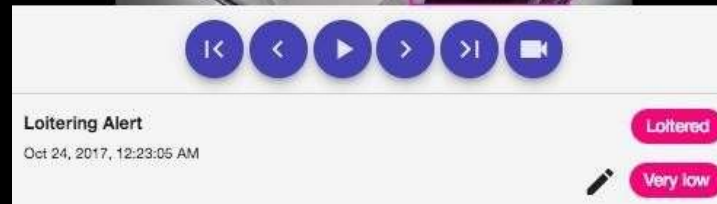
- Detect if people is spending more time than usual
- People sleeping inside ATM

## Object Detection

- Additional objects can be trained on request
- Objects like Gas cans or shovel



# ATM Application



© Copyright 2019 Lucror. All Rights Reserved. Strictly Confidential



© Copyright 2020 Lucror. All Rights Reserved. Strictly Confidential

# Awards & Recognition

**Deloitte.**

**Deloitte Tohmatu IoT  
contest winner**

 **Letsignite**

**LetsVenture's Letsignite  
Popular Choice Award  
winner**



**Qualcomm Design In  
India Challenge Winner**



**Best Of Show Winner -  
Chicago Parking Expo**



**Parking Today  
Awards**



**Best Of Show Winner  
- IFSEC Malaysia**



**TiE 50  
Winner**



**NASSCOM Emerge  
50 Winner**





# Clientele



Mercedes-Benz



TOYOTA



Haryana State Electronics Development Corporation Limited  
(A State Government Undertaking)



© Copyright 2019 Lucor. All Rights Reserved. Strictly Confidential



9



© Copyright 2020 Lucor. All Rights Reserved. Strictly Confidential

# LucrorConnect



Google: Lucror

Twitter: Lucror3

Linkedin: Lucror

Facebook: Lucror

Instagram: LucrorAi

Website: [www.lucrorworld.com](http://www.lucrorworld.com)

Email: [legend@lucrorworld.com](mailto:legend@lucrorworld.com)



© 2020 Lucror. All rights reserved

This communication contains information which is privileged and confidential. It is exclusively to the intended recipient(s). If you are not the intended recipient(s), please: (1) notify the sender by forwarding this email and delete all copies from your system and (2) note that disclosure, distribution, copying or use of this communication or documents is strictly prohibited. Any erroneous disclosure, distribution or copying of this email communications with attached documents cannot be guaranteed to be secure or free from error or viruses