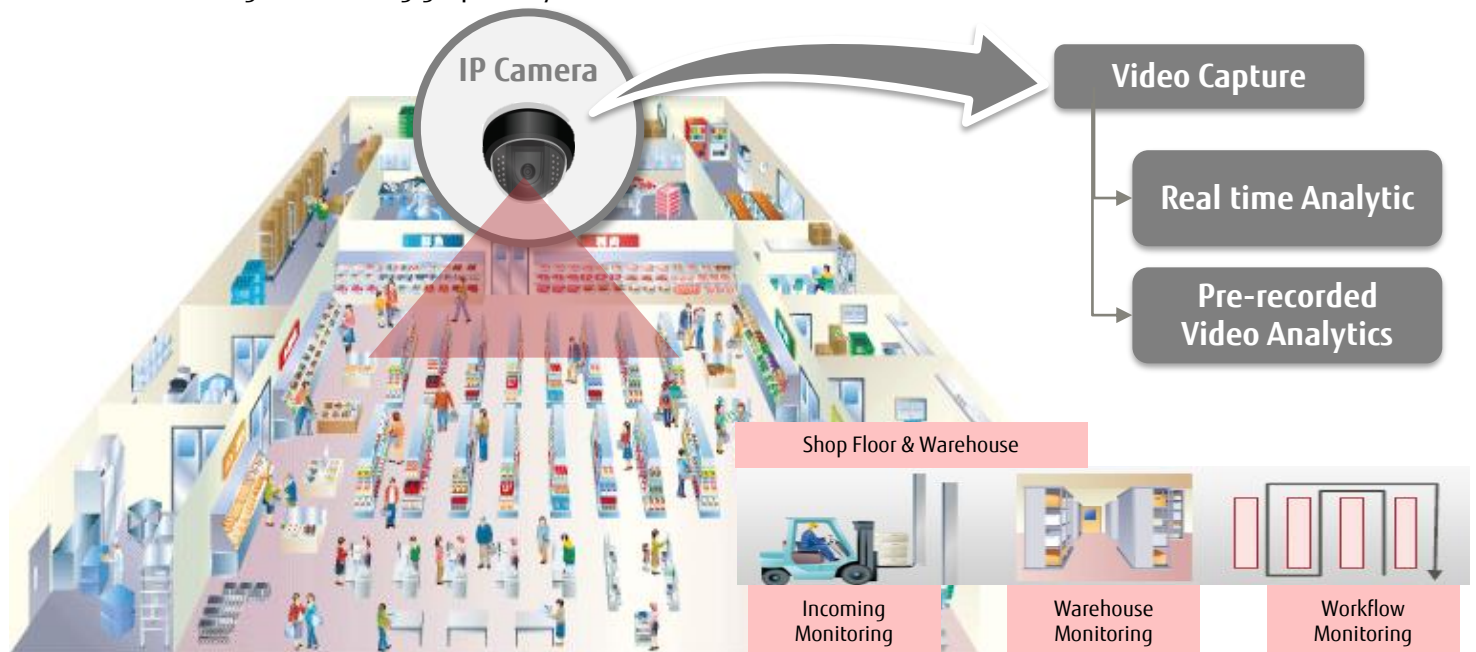# FUJITSU

Visualize your factory operation and safety

FUJITSU Software Imagepower TrackingEye

TrackingEye can detect moving objects (e.g. people, vehicle, animals) and digitalize them by video analytics technology. The digitized data can be used to know the behavioral tendency of moving objects by visualization on the video image or showing graphically.
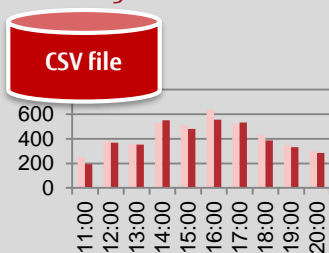
IP Camera

Video Capture

Real time Analytic

Pre-recorded Video Analytics

Shop Floor & Warehouse

Incoming Monitoring

Warehouse Monitoring

Workflow Monitoring

1. Visualization
Identify trajectory (moving path) of moving objects.

2. Digitization
Analyze data flexibly with CSV file generated.

CSV file

600
400
200
0

11:00 12:00 13:00 14:00 15:00 16:00 17:00 18:00 19:00 20:00

3. Alert Detection
Activate detection alert by configuring conditions.

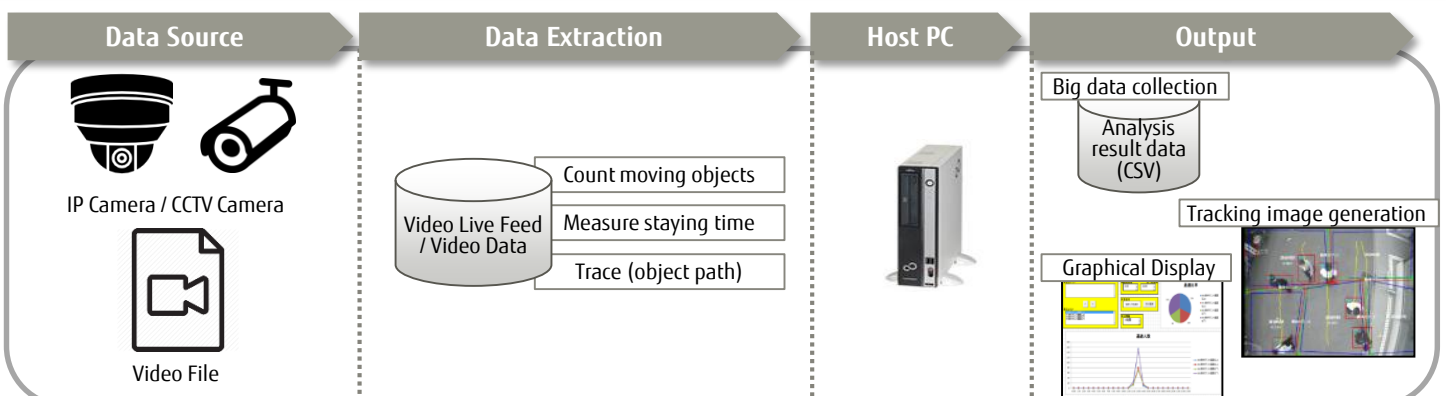- Blinking screen
- Dialog box
- Warning sound

4. Record
Save still images by specified conditions.

Record live video data.

System Overview

Data Source	Data Extraction	Host PC	Output

Data Source

IP Camera / CCTV Camera

Video File

Data Extraction

Video Live Feed / Video Data

- Count moving objects
- Measure staying time
- Trace (object path)

Output

Big data collection

Analysis result data (CSV)
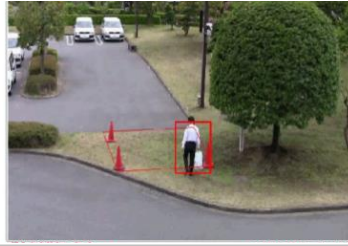
Tracking image generation

Graphical Display

Suspicious Monitoring

Detect abnormal movement of person wanders or stays at target area.

Intruders Detection

Detect trespassing and issue a warning or notify by email alert.

Face Mosaic

Apply mosaic to face part in consideration of privacy when output video.

People Counting

Count number of people passing the specified area or line.

Staying Time Measuring

Measure duration of time for each area of stay.

Color Identification

Identify color to make a comparison between the detected color and specified color

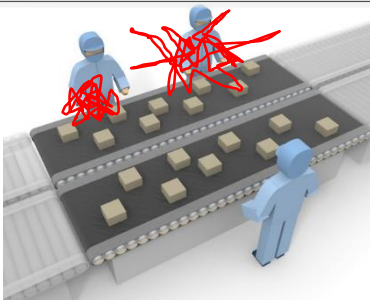### Image synthesis from multiple camera

◆Patent applied◆

Combine and overlay all the image of moving object from multiple cameras into one view automatically. Greatly reduce manual workload.

Use Case

Automotive components production line

Workers assemble the parts on a moving conveyor belt.

Customer Challenges

❑ Work efficiency often changes depending on the skills of the person in charge.

Proposed Solution

❑ To visualize how much the skilled workers are moving by calculating the actual distance from the tracking coordinates data.

❑ If the same work took more time than usual, it alerts a problem may have happened. If finished earlier than usual, it alerts some processes may have been skipped.

Outcome & Benefits

❑ Able to visualize skilled workers' behavior, and utilize the results for human resources education.

❑ Detect whether there is an abnormal situation with the work and measure duration of work done.

If you need further information, please contact us at:-
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