

Issues of CCTV Cameras Operation









- If there are 100's of CCTV cameras
 - How do operators monitor 100's CCTV cameras simultaneously in real time?
 - How do operators find a target person from recorded video (1,000's hrs/day)?
- How to respect EU privacy regulations which often mean that we cannot search using biometric (facial) data?

MPS-Al can help!



Multi-Perspective Search with Artificial Intelligence

Advantages of MPS-Al

- MPS-Al can find the POI without facial images
 - Reduce privacy invasion risks
 - Find the backside / topside images
 - i.e. multiple image searching
 - Fast-response (less that 20ms)
 - Expandable to type of object other than person







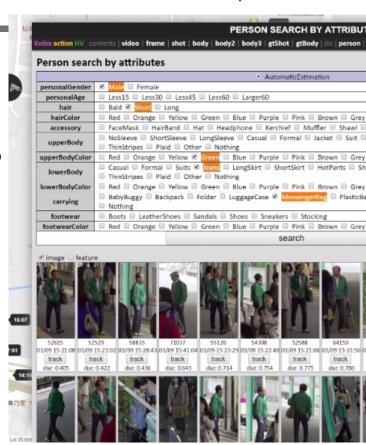


MPS-AI Use Case Examples



Search from attributes

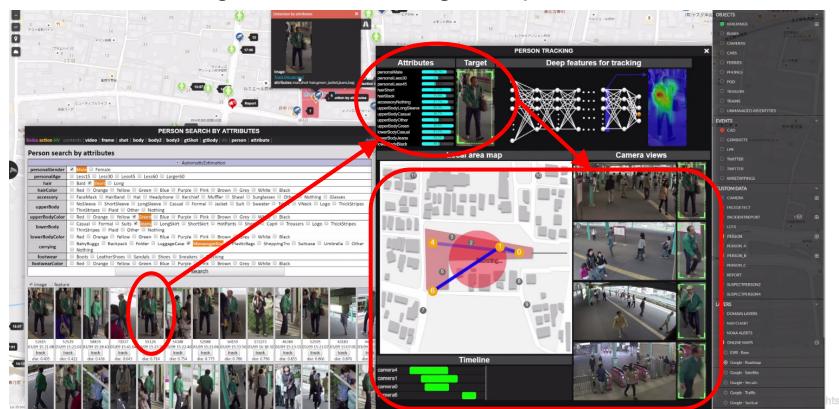
- Lost <u>kid</u> wearing <u>yellow coat</u> and <u>jeans pants</u>
- "I was groped by a man with green jacket"
- Attendance analysis (e.g. number of kids vs. adults)
- Safety (wearing <u>helmet</u> or not)
- Detect person carrying <u>large objects</u> (possible bomb)
- Search from Behavior
 - Look for e.g. people running



MPS-AI Use Case Examples

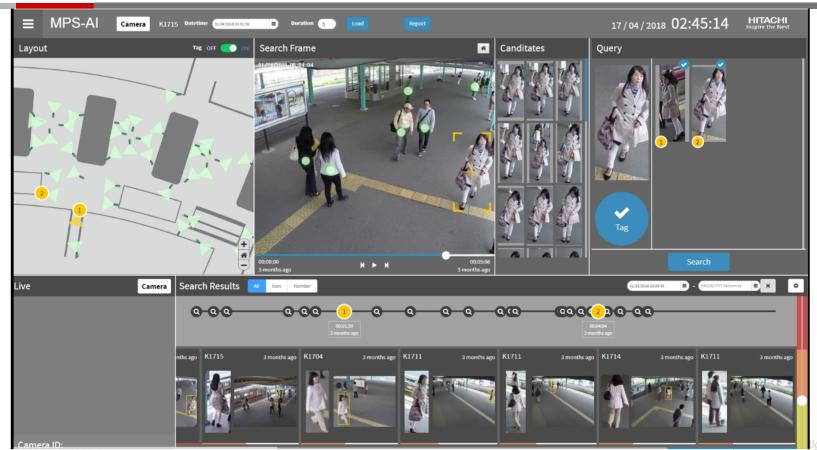


Person tracking: search for a given person across cameras



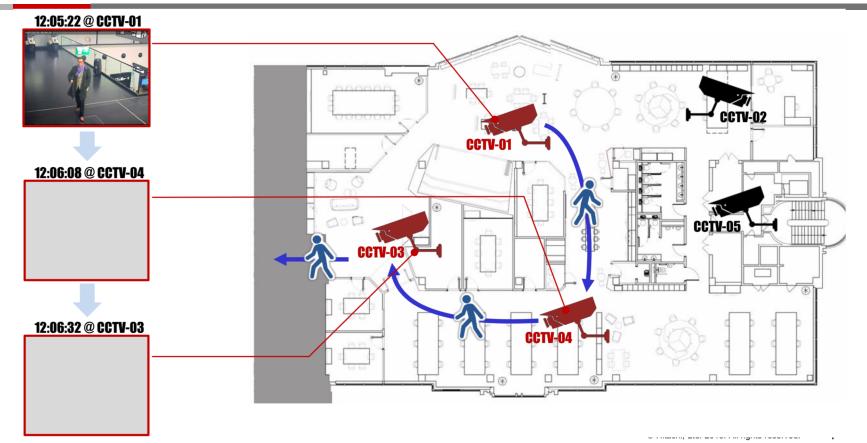
MPS-AI Use Case Examples





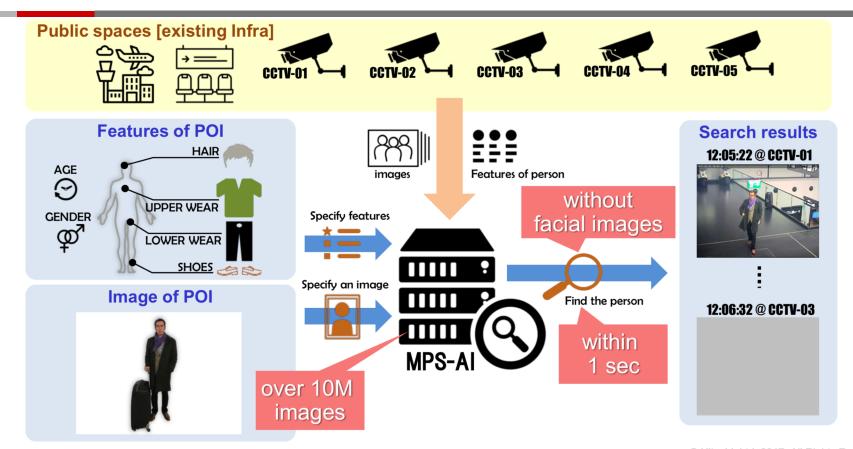
MPS-AI: Use Case People Tracking





MPS-AI: How it works







Thank You