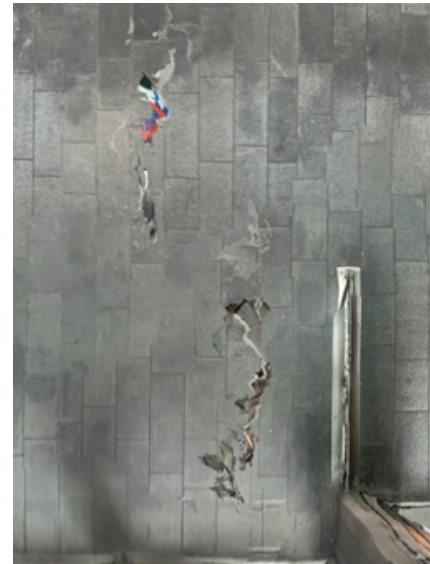
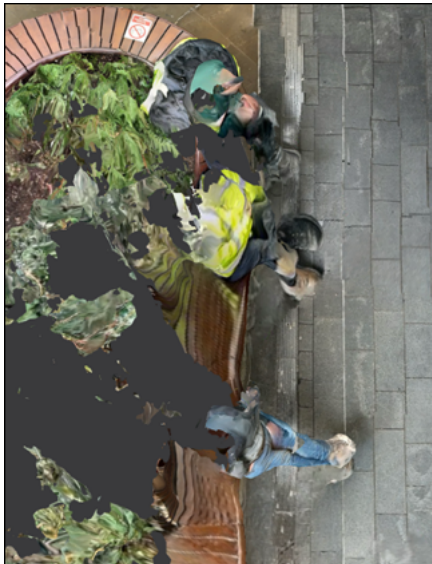


## Context and Application

When moving people are captured during scanning, glitches appear.  
Might these flaws (usually seen as negative) actually carry meaningful information?



- Capture a scene for a period of time
- Record the flow of people
- Record speed and density
- Record spatial layout



### **Application scenarios**

Highly descriptive recording of spatial and crowd interactions (cultural events).  
Limitation of traditional photography (participation and the atmosphere).

# Do 3D scanning technology has complementary potential, compared to traditional photography, for recording and observing dynamic spatial environments and human activities?

## Three Non-linear Processes

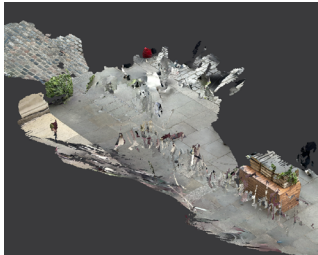
- 1. Data Combination:** As a subjective recorder, continuously document cultural event scenes over a period and perform image recomposition. Develop a methodological toolkit to guide users in observation and analysis.
- 2. Comparison Photography:** Focusing on the project's core concerns—space and pedestrian flow—I propose five visual layers to facilitate comparison and reflect on its differences from traditional photography.
- 3. Capability of 3D Scanner:** Explore the effectiveness of 3D scanning as a graphic communication tool from the three perspectives of Function Diagram, Behavior Patterns and Emotional Clarity.

## Case Study Locations

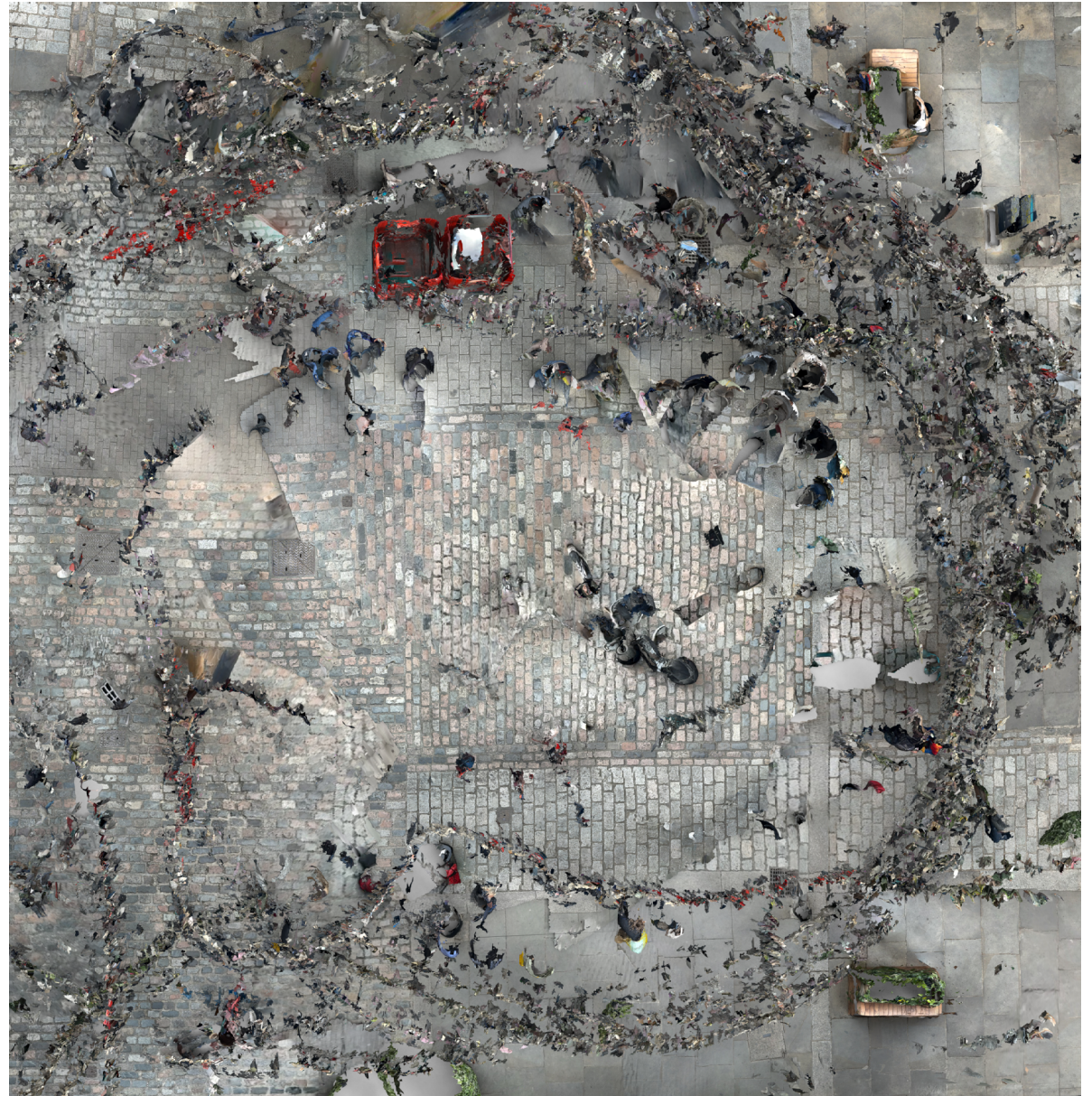
- Street Performance (Covent Garden)
- Temporary Food Market (Canopy Market)
- Promotional Event (Meridian Square)
- Fountain Square (Granary Square)
- Permanent Market (Camden Market)



# Data Combination



Limited scanning range  
→ Continuous partial scans



→ Event reconstruction



# Data Combination



1.1



1.2



1.3



1.4



1.5



1.6



1.7



1.8



1.9



1.10



1.11



1.12



2.1



2.2



2.3



2.4



2.5



2.6



2.7



2.8



2.9



2.10



2.11



2.12



3.1



3.2



3.3



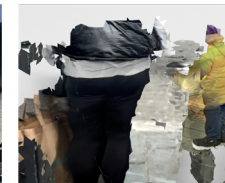
3.4



3.5



3.6



3.7



3.8



3.9



3.10



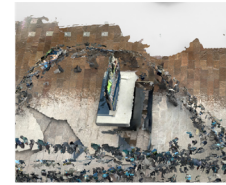
3.11



3.12



4.1



4.2



4.3



4.4



4.5



4.6



4.7



4.8



4.9



4.10



4.11



4.12



5.1



5.2



5.3



5.4



5.5



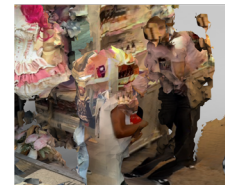
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5.7



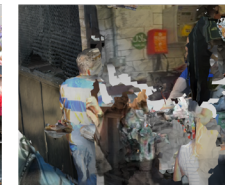
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5.9



5.10



5.11

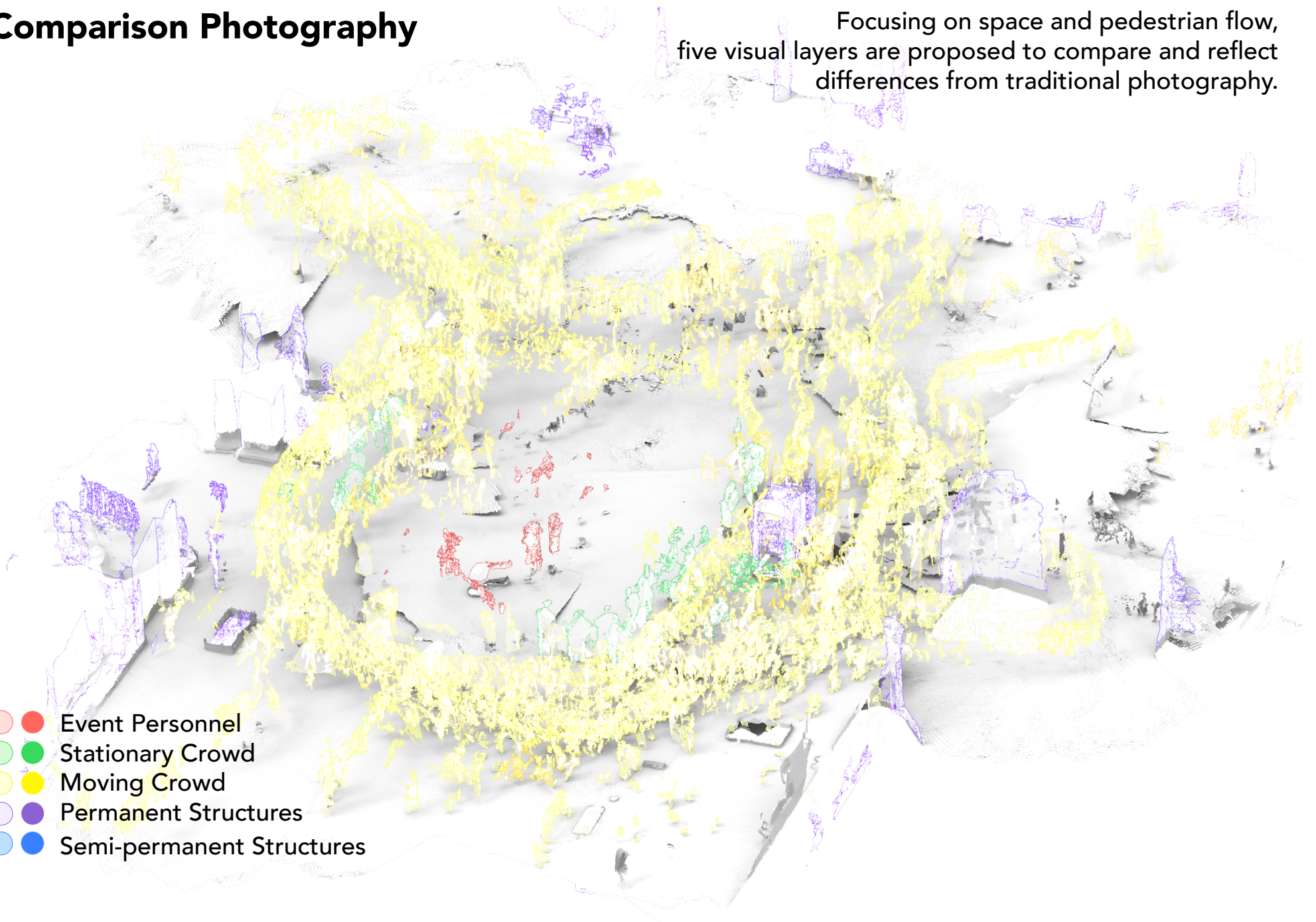


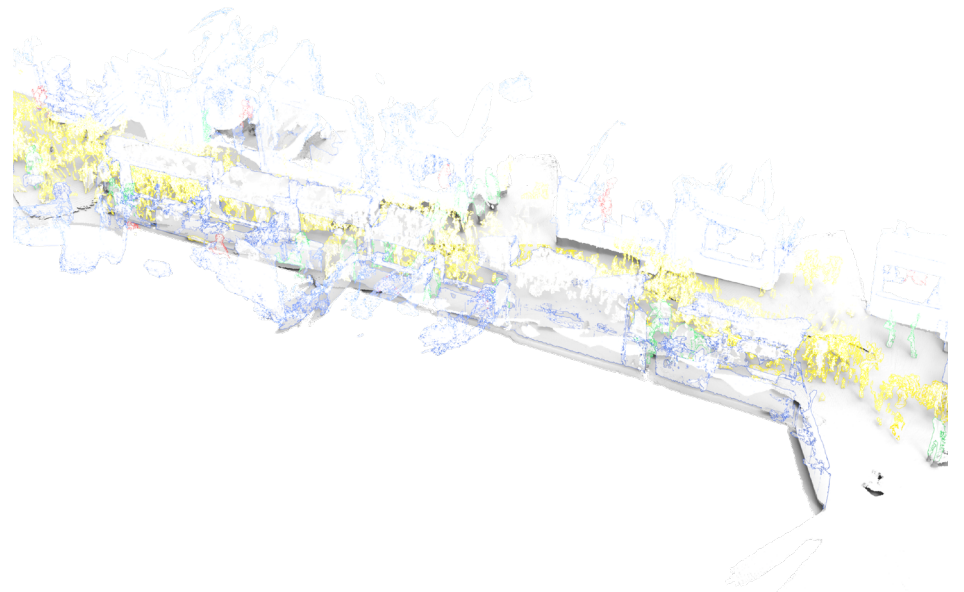
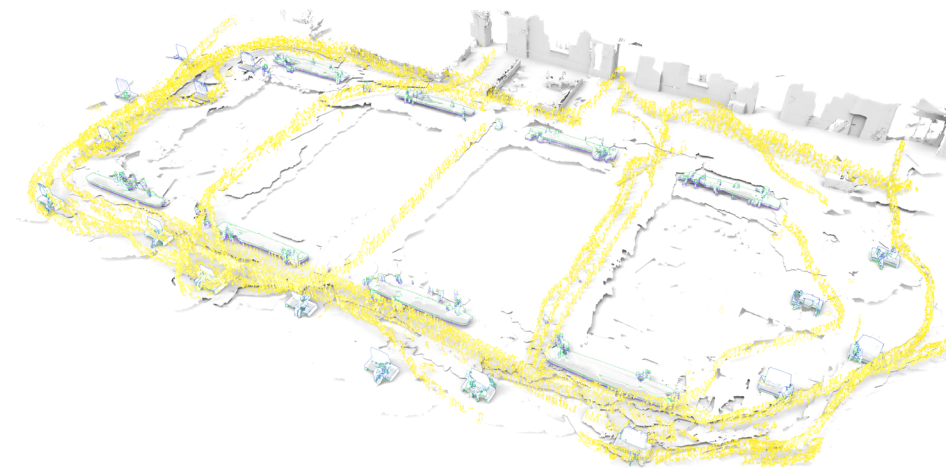
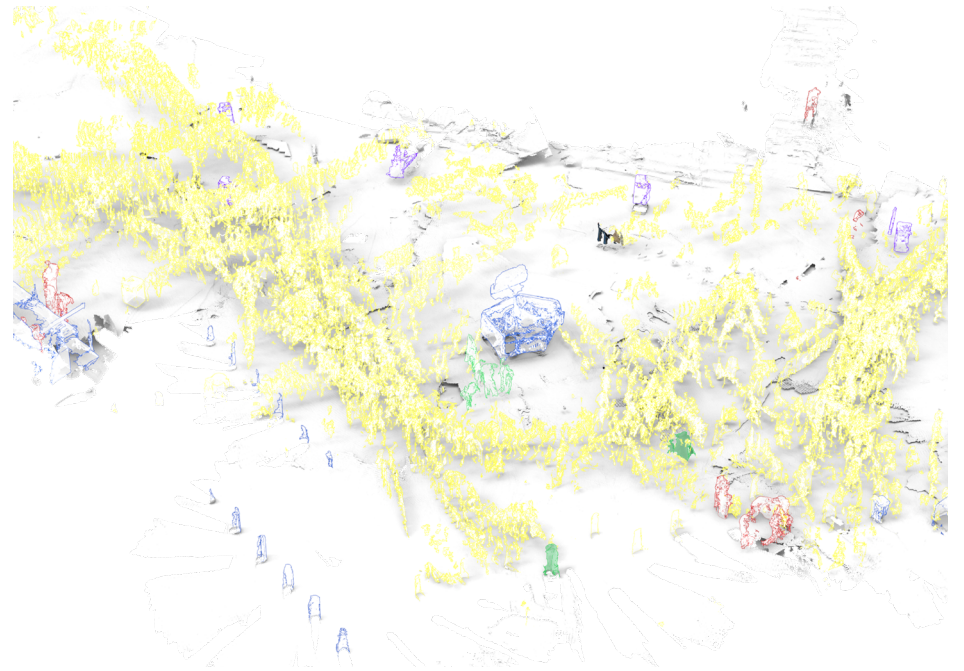
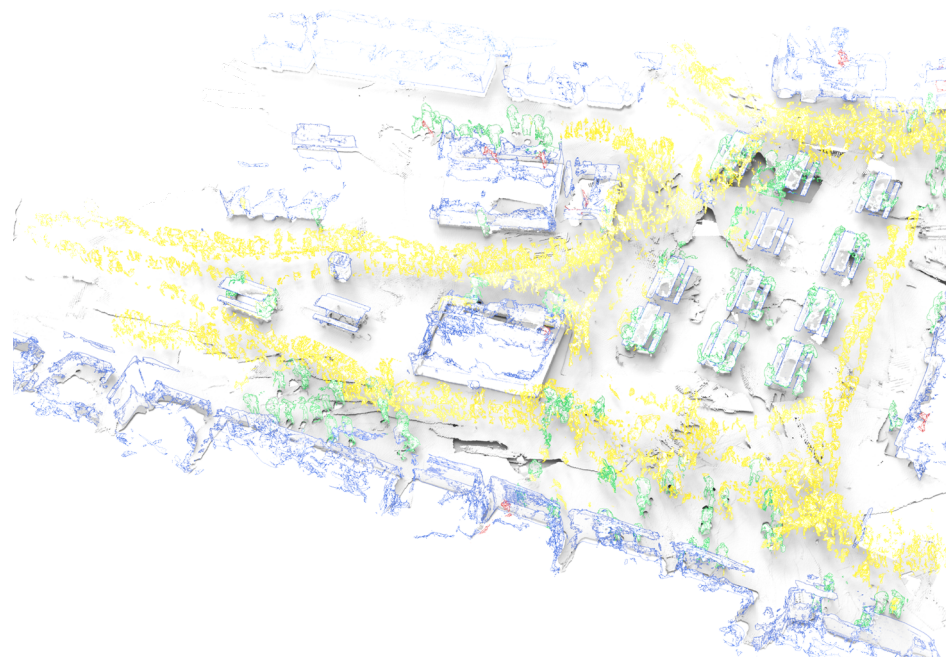
5.12

# Comparison Photography

Focusing on space and pedestrian flow, five visual layers are proposed to compare and reflect differences from traditional photography.

- Event Personnel
- Stationary Crowd
- Moving Crowd
- Permanent Structures
- Semi-permanent Structures





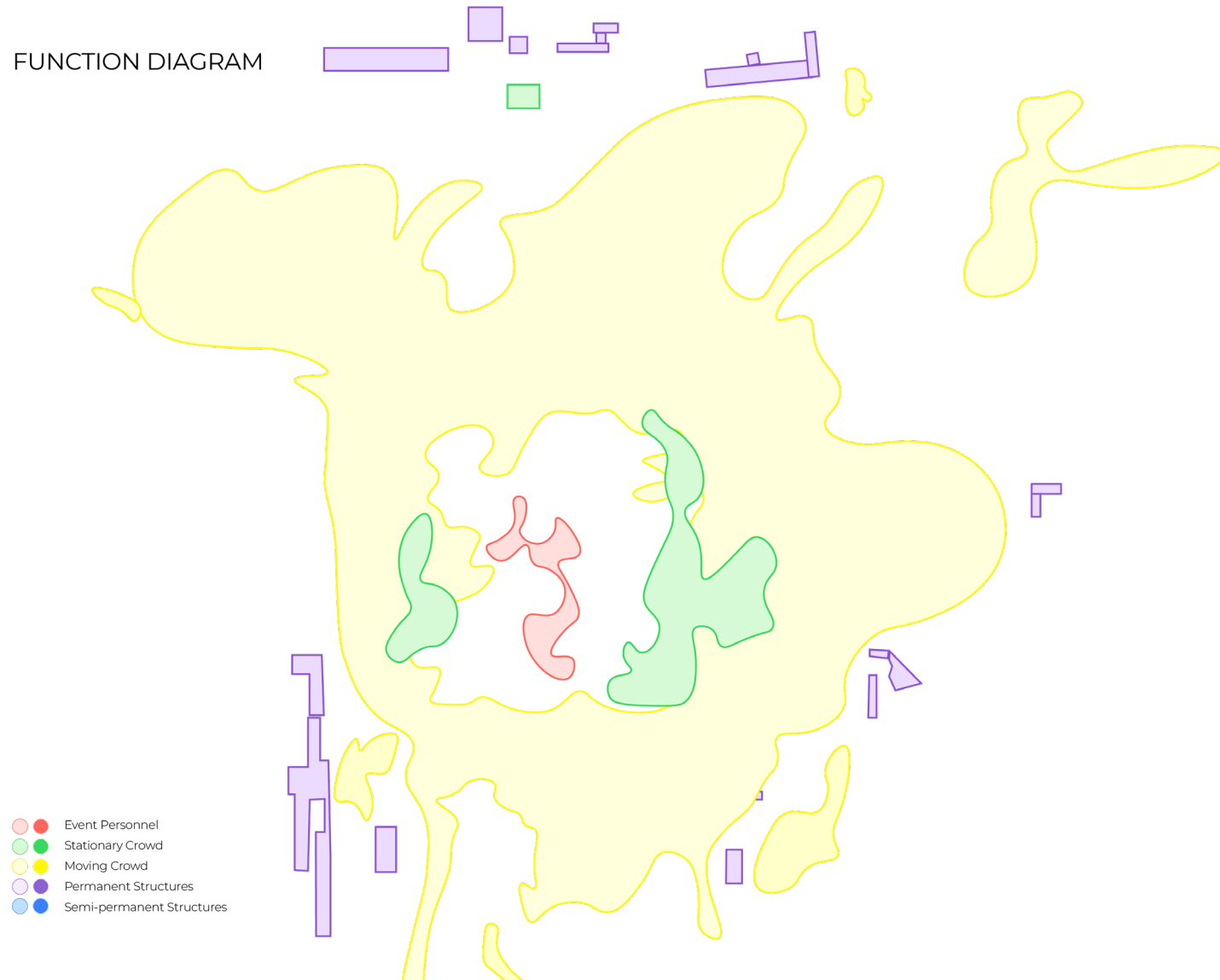
# Capability of 3D Scanner

	Function Diagram	Behavior Patterns	Emotional Clarity
Street Performance	●	●	×
Temporary Food Market	●	●	●
Promotional Event	●	×	×
Fountain Square	●	●	●
Permanent Market	●	●	×

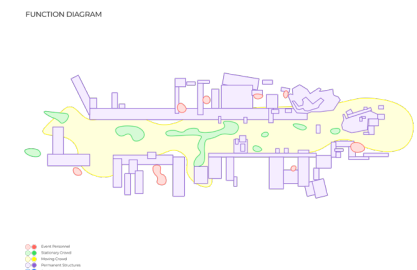
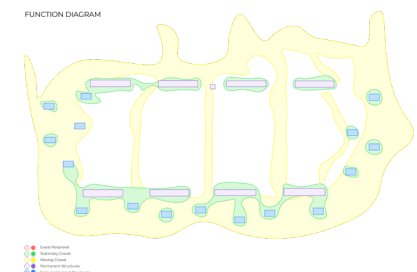
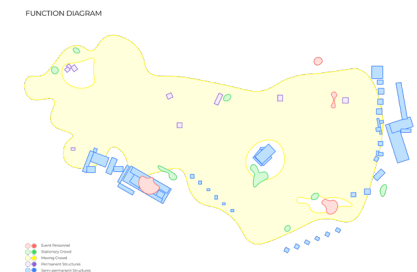
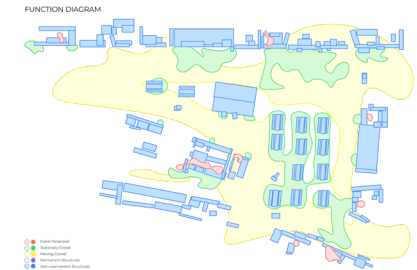
What information can be identified?

# Capability of 3D Scanner: Function Diagram

FUNCTION DIAGRAM

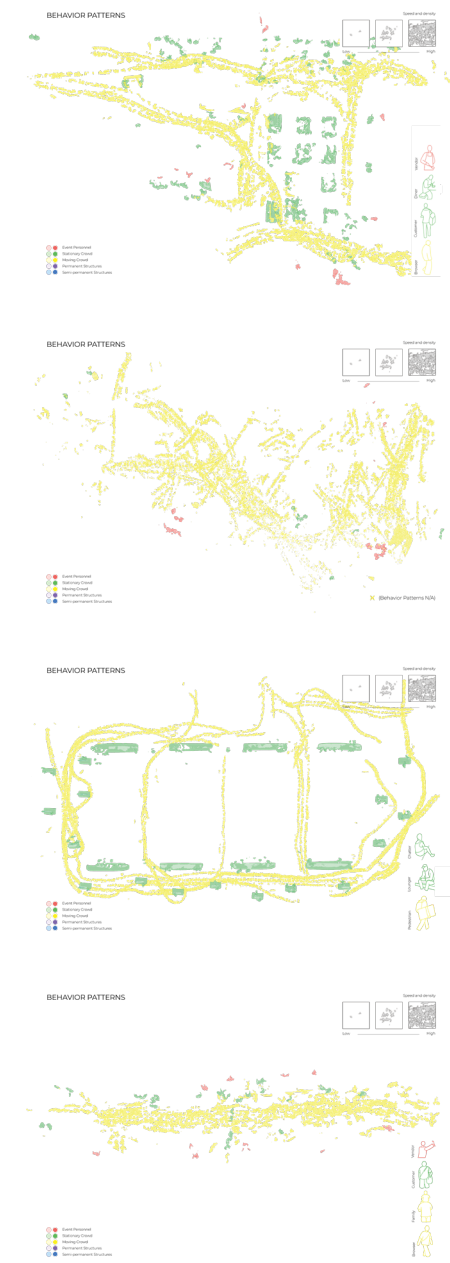
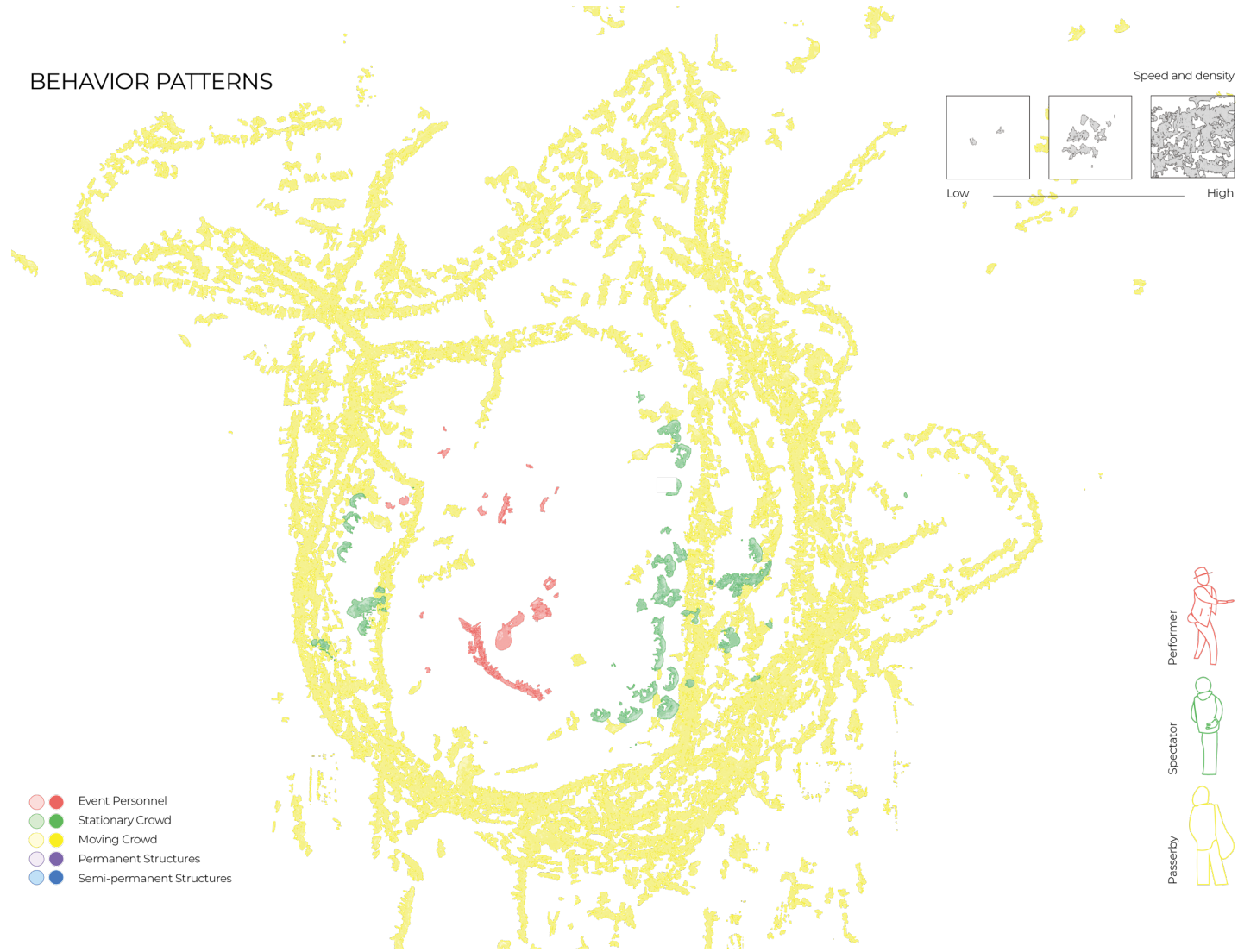


- Event Personnel
- Stationary Crowd
- Moving Crowd
- Permanent Structures
- Semi-permanent Structures



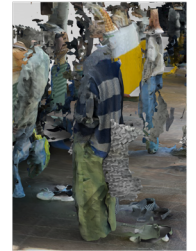
# Capability of 3D Scanner: Behavior Patterns

BEHAVIOR PATTERNS



# Capability of 3D Scanner: Emotional Clarity

EMOTIONAL CLARITY



✖ Emotional Clarity N/A



✖ Emotional Clarity N/A

✖ (Emotional Clarity N/A)

# Publication

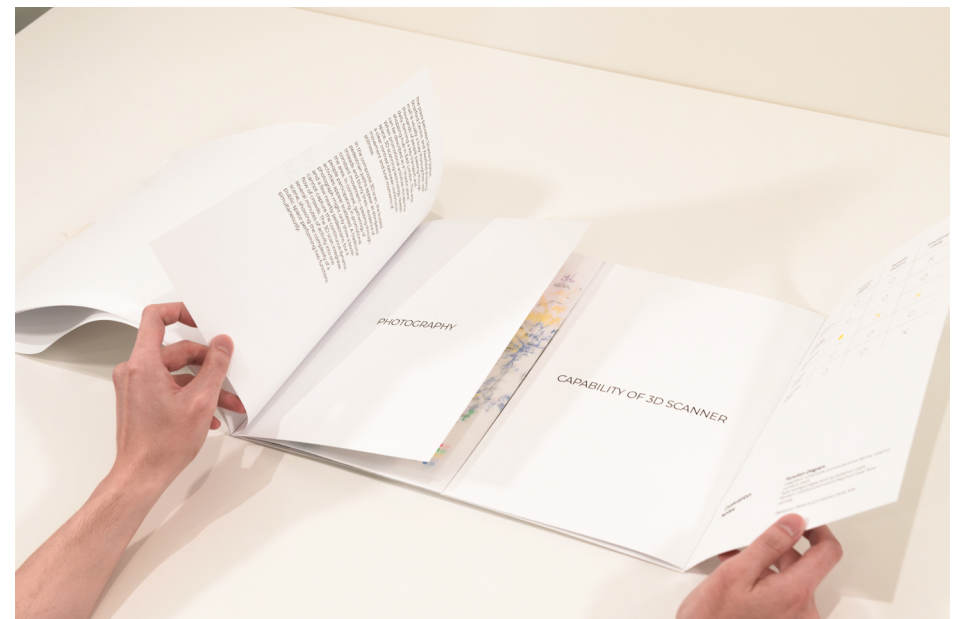
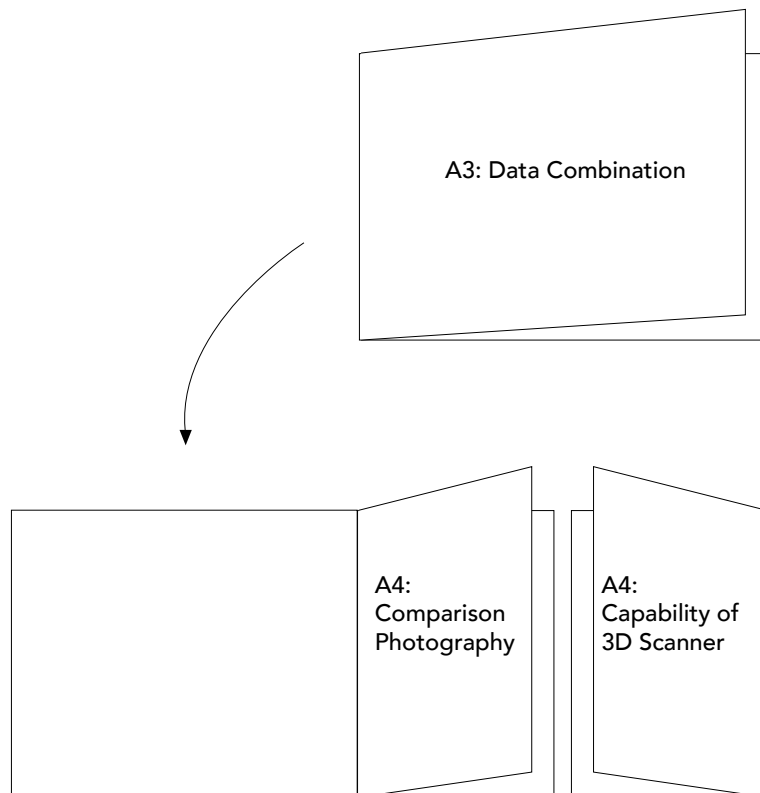


The publication consists of five volumes, each dedicated to a distinct cultural event scene.



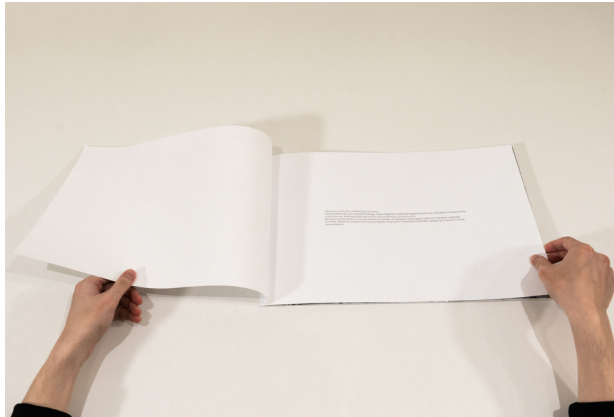
# Publication

Each volume follows an identical structure. I use mixed binding to present three non-linear research stages: A large A3 format emphasises data combination, while Double-gatefold structure facilitates comparative photography and evaluation of 3D scanner capabilities.



SPATIAL NARRATOR

	Function Diagram	Behavior Patterns	Emotional Clarity
Urban Performance	●	●	×
Temporary Public Market	○	○	○
Promotional Event	○	×	×
Fountain Square	○	○	○
Permanent Market	○	○	×



# Detail Views

SPATIAL NARRATOR

	Function Diagram	Behavior Patterns	Emotional Clarity
Street Performance	○	○	○
Temporary Food Market	○	○	×
Promotional Event	○	○	○
Fountain Square		●	●
Permanent Market			

