

Overview

exacqVision Video Management Systems are commonly used in retailers whom Percolata provides Forecast as a Service. To properly integrate the two products, please use this document. The purpose of this document is to provide information of the following:

- Best Practices with Camera Installation.
- Format and requirements of the JSON file.

Requirements

Video Camera installation requires the view to *fully* capture visitor/employee doorways and paths where this analysis is desired. Viewing angle is very important for the Percolata Computer Vision algorithm. See table below for examples of correct camera installation:

Examples of Correct Camera Installation



The cameras detect every person in the video.



The cameras provide image in which people are not overlaid or blocked by other people.



The cameras provide image in which people are not blocked by architecture.

Examples of Incorrect Camera installation

Proper camera installation insures more effective analysis provided by Percolata. Below are examples of camera view angles that hinder Percolata’s ability to count people and forecast traffic accurately.



Image is Incorrect because

- People are blocked by interior decor objects in the image.
- People are overlaid/blocked in the image



Image is Incorrect because

- People are overlaid/blocked in the image
- The image captures one edge of the front store closely, leaving the other edge of the front store too far to recognize people traffic.



Image is Incorrect because

- People are overlaid/blocked in the image.



Image is Incorrect because

- The door and interior decor objects block the view, making it difficult to see people walking in and out.



Image is Incorrect because

- People appear too large in the image.

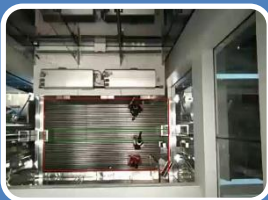


Image is Incorrect because

- People appear too small in the image.

Installation Process

No on-premise hardware needed, but sufficient upload bandwidth is required for Percolata to process the video in the cloud. For details on these specifications, please contact the Percolata sales team.

E-mail: sales@percolata.com

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Configuration

Configuration of the Percolata system is done mainly by Percolata. Retailers will provide the necessary information in the form of a JSON file, and Percolata will do the rest of the work from the cloud.

Information that Percolata needs for simple traffic counting services is server information and camera information. This will be formatted in a JSON file like the example below.

Server information	Camera information	Example of configuration JSON
<host> <user> <password> <port>	<camera name> <camera id>	<pre>{ "host": "100.100.0.1", "user": "user", "password": "password", "port": 10000, "camera_id": 10000, "camera_name": "camera1" }</pre>

Contact Info & Support

For technical support, customer service, and your specific enquiries, please reach out to Percolata at support@percolata.com or [\(650\) 308-4980](tel:(650)308-4980)

