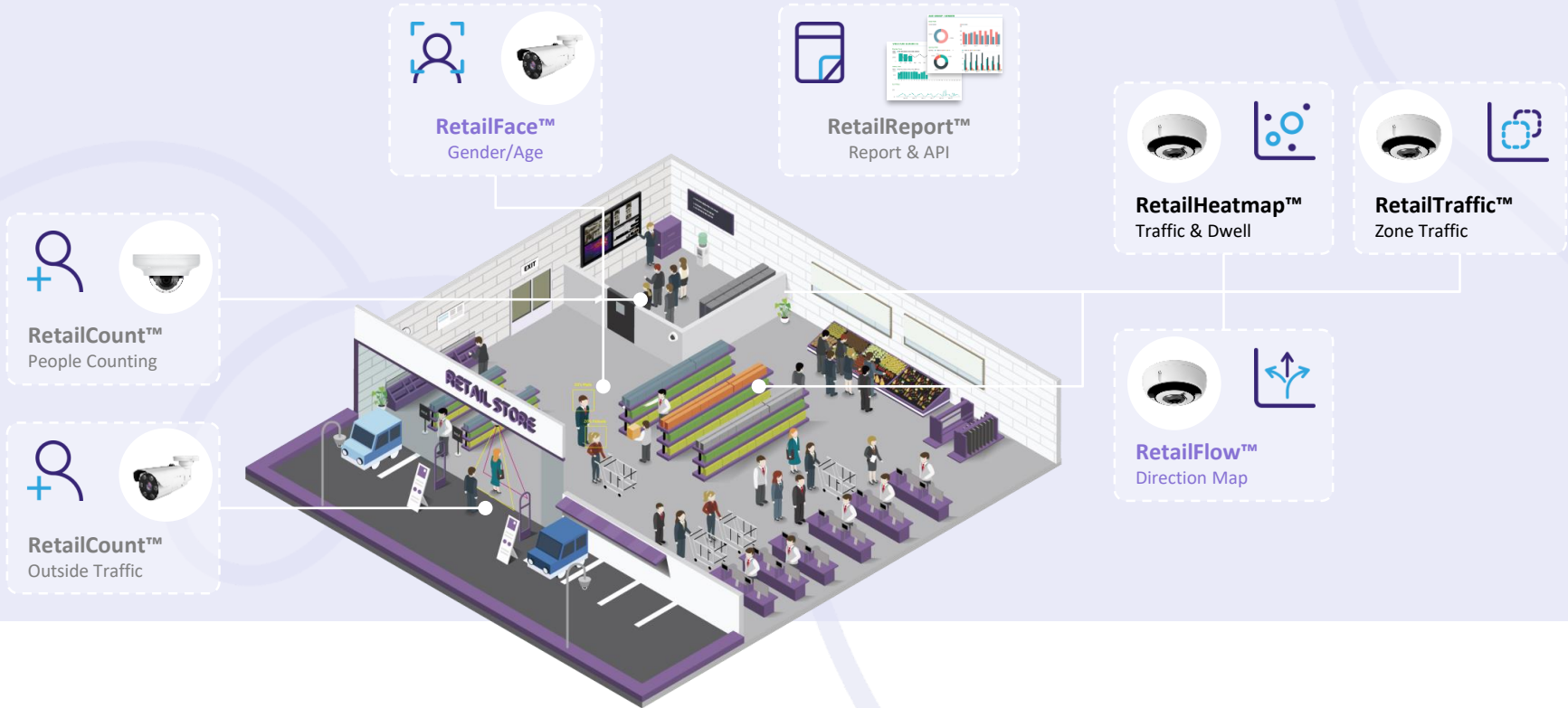




RetailTrend[®]

*The Retail Analytics Solution
to understand in-store visitor behavior*

In-store Visitor Analysis Solution for Retail

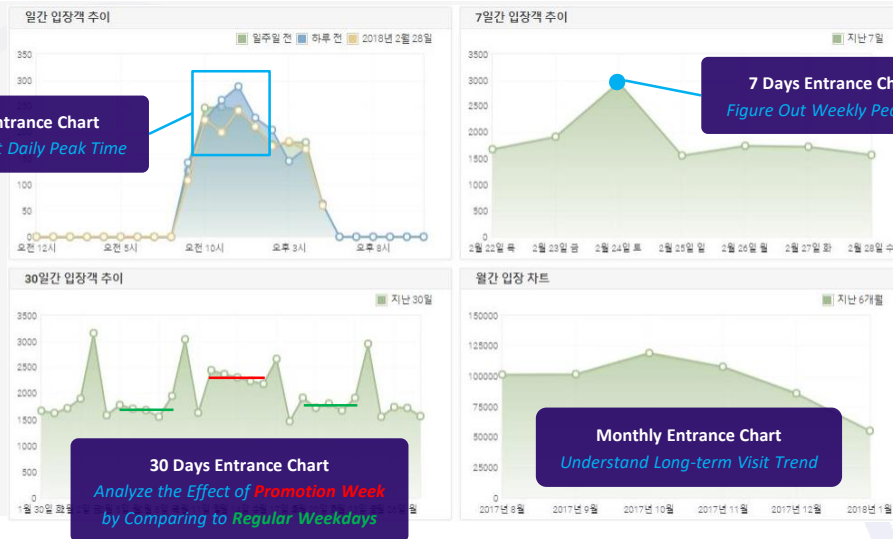


01 RetailCount™ | People Counting Solution

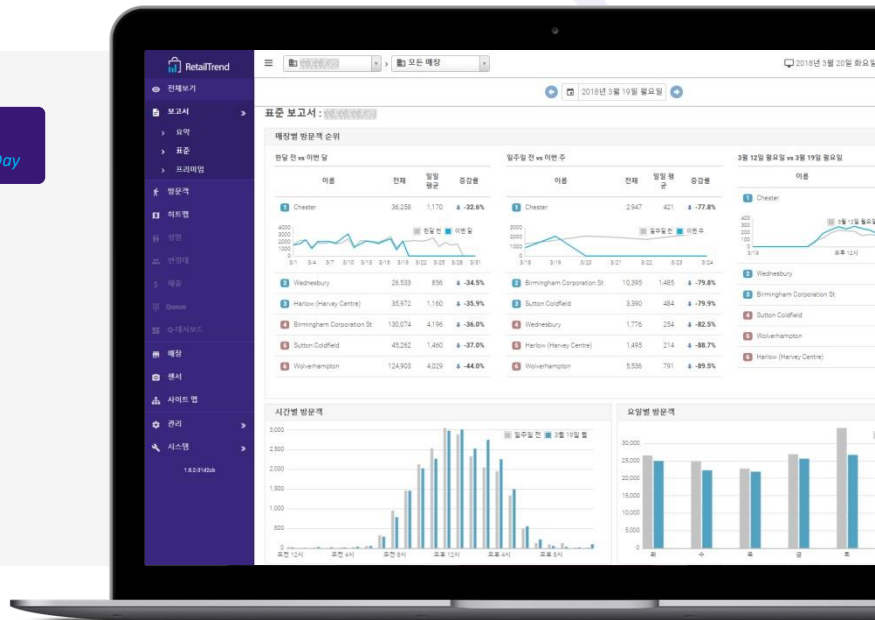
Visitor Statistics (Daily/Weekly/Monthly, By Day/Hour) | Store Draw Rate Compared to Outside Traffic | Visitors per Floor | Comparison Between Stores

- Analyze the store draw rate (entrance ÷ outside traffic) and the conversion ratio.
- Analyze the performance of marketing promotion by checking the visit trend change.
- Optimize staff working time based on the peak time analysis by day.
- Highly reliable data, not by sampling, but by full-counting of all visitors.

Analysis Cases of H Branch of P Mart in Various Charts



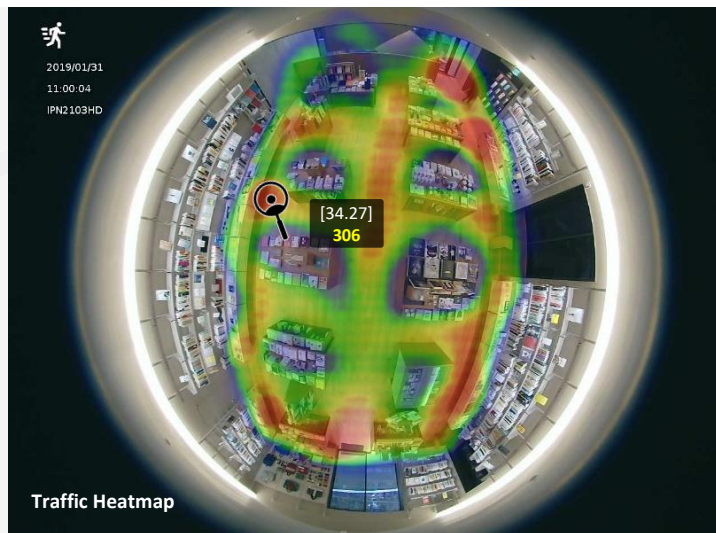
Visit Comparing Between All Stores in Standard Report



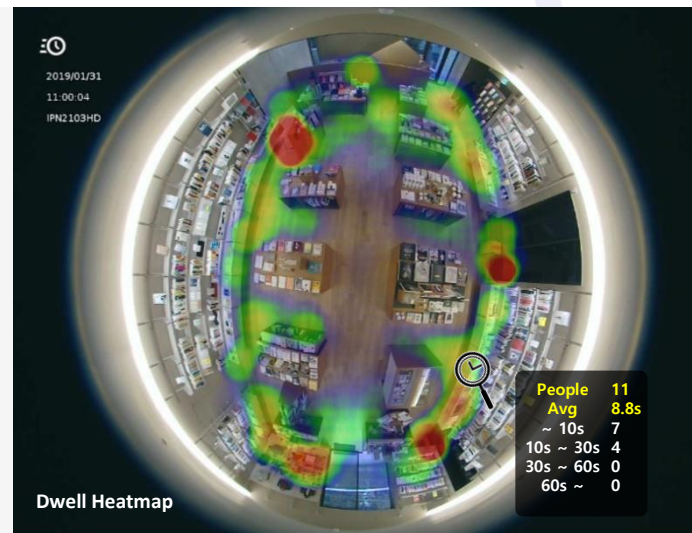
02 RetailHeatmap™ | Heatmap Solution

Qualitative Analysis on Distribution of Traffic & Dwell Heatmaps

- Analyze the overall distribution of visitor's traffic and dwell time over a wide area to optimize the overall layout of displays & products, and to focus staffs on key dwelling points.



- Improve sales by **optimally rearranging the overall layout**, so that visitor's traffic is distributed evenly.
- Improve overall traffic by **widening very crowded areas or aisles**.



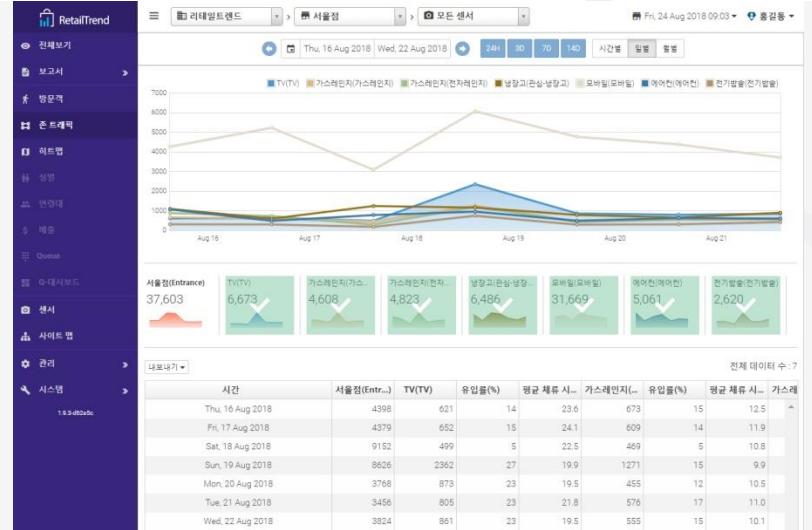
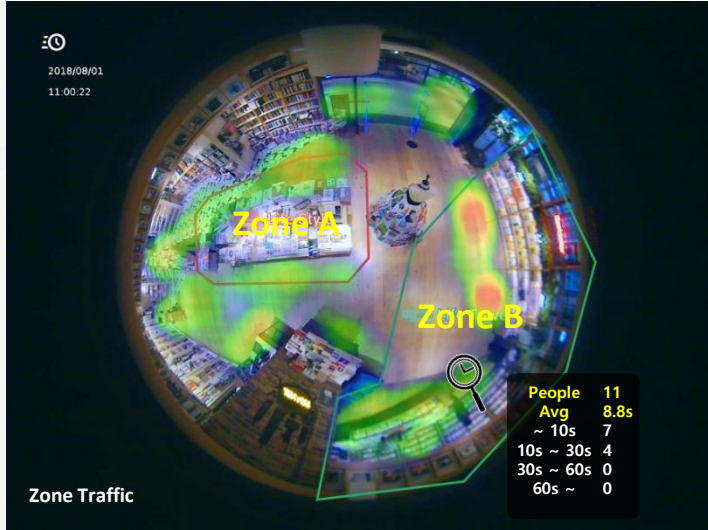
- Effectively boost sales by **optimizing the layout of displays and products** according to the dwell-time distribution, and by **focusing staff** on key dwelling points.
- Detailed analysis per product in case of abnormal behavior identified by zone traffic.

03

RetailTraffic™ | Zone Traffic Solution

Quantitative Analysis on Visits · Draw Rate · Dwell Time Inside Each Specific Zone | Comparison by Product Category Across All Stores

▪ The flow of [Outside Traffic · Entrance · Zone Visits · Dwell Time per Product] completes a 4-step funnel in each store, so as to compare visitor's behavior before sales across all stores.



- Quantitatively analyze visitor's visits, draw rate and average dwell time in each zone.
- Able to analyze the conversion ratio per zone, compared to sales of each zone.
- Prevent staff from being counted, filtered by the dwell time.

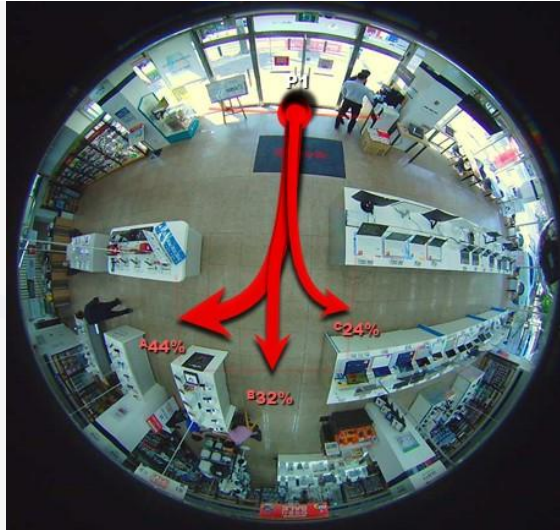
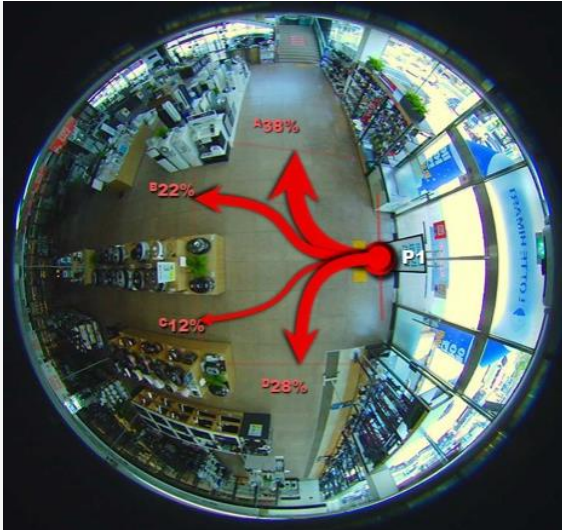
- Compare visitor's traffic and conversion ratio per zone based on quantified data statistics.
- Compare the traffic per product category across all stores based on normalized draw rate.
- Effectively boost sales by optimizing the layout of displays and products accordingly.

04

RetailFlow™ | Direction Map Solution

Analysis on the Ratio of Directions Where Visitors to Go | Compare Direction Changes Before and After Adjusting Store Layout

- Measure the ratio of visitors who are passing through each path line from one entrance point to multiple exit points, and visualize it on the sensor image as the relative thickness of arrows.

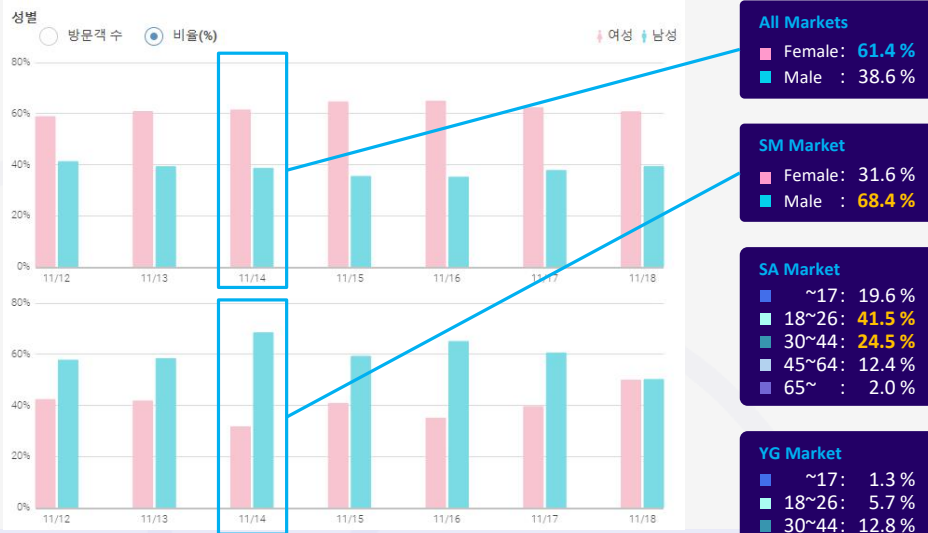


- **Identify trends** in direction ratio changes **daily/weekly/monthly** and **by day/hour**.
- **Evaluate the performance against a plan** for visitor's paths **before and after a renewal**.

- **Find a high-ratio path** preferred by visitors so as to **choose the best place for promotion**.
- Make an improvement **plan to draw visitors** by **checking a blind area** that shows a thin arrow of low ratio value.

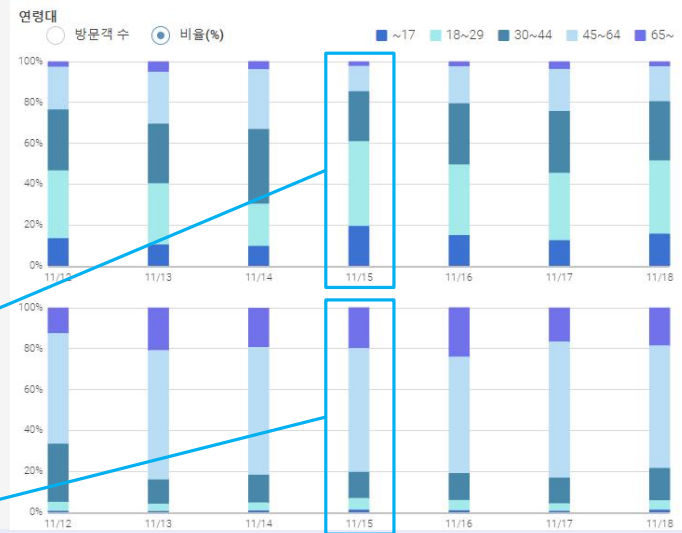
Visitor's Gender/Age Statistics (Daily/Weekly/Monthly, By Day/Hour, Unit of Visits/Ratio) | Comparison Between Stores

[CASE STUDY 1] Gender Analysis for Traditional Markets in C City



- **Relatively high ratio of men in SM market alone**, unlike other markets.
- The reason why was due to many meat restaurants favored by men.
- To revitalize the market, **concluded to build up branding of the restaurants.**

[CASE STUDY 2] Age Group Analysis for Traditional Markets in C City



- In the biggest shopping district SA market mostly the young, but **in the adjacent but depressed YG market, the middle-aged was dominant.**
- To revitalize the market, **concluded to build strategy to draw the young from SA.**

Shared Templates _ Selectable Predefined Standard Templates

- Selected as many as needed out of various predefined templates → No more customizing
- Provided in Microsoft Excel file format → Editable by customers

Private Template _ Fully-customized Template On Demand

- Custom-Template Consulting:** Create any template on demand ← Microsoft Excel
- Self-edit by Customer:** Based on a basic template ← Microsoft Power BI

[Shared Template] General Weekly Report by Store

Comprehensive Analysis on Visits & Zone Traffic
Microsoft Excel Format



[Private Template] Weekly Funnel Analysis for T Company

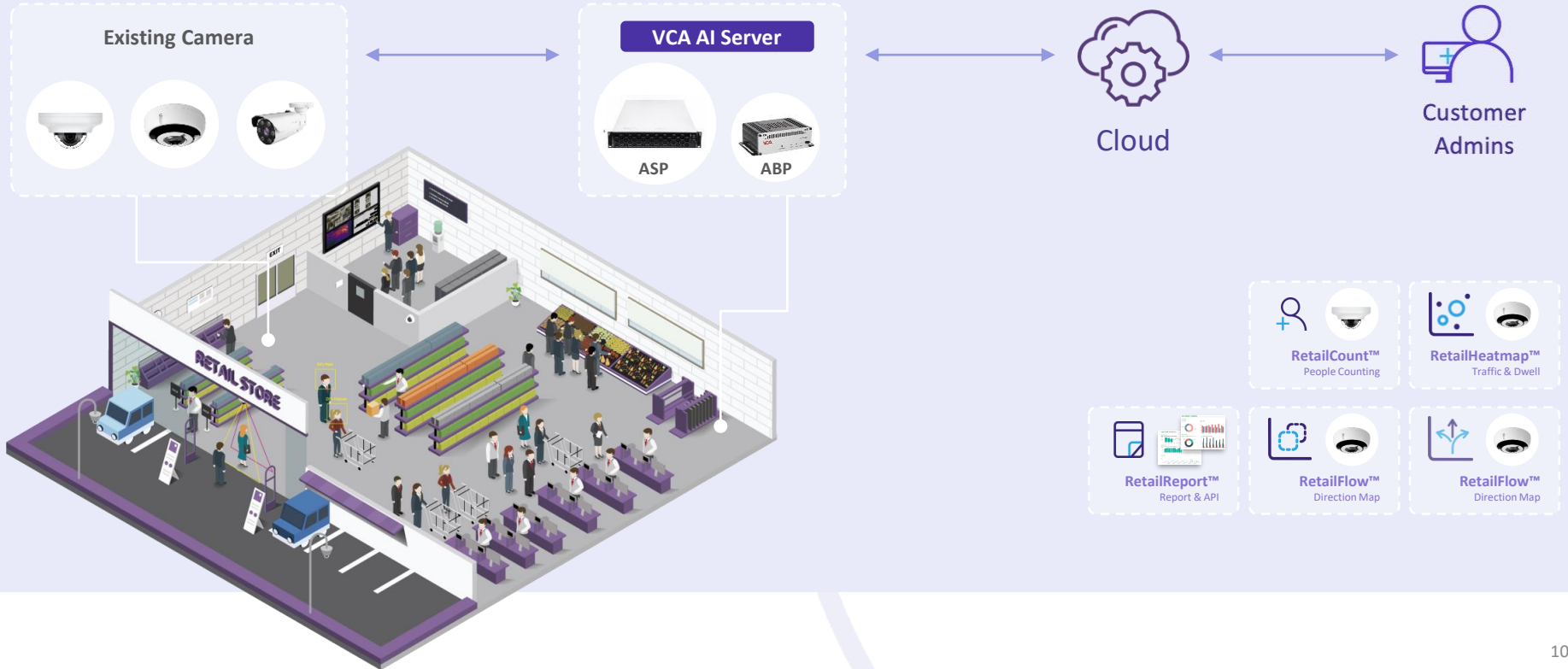
Funnel Analysis by Store & Comparison of All Stores
Microsoft Power BI Format



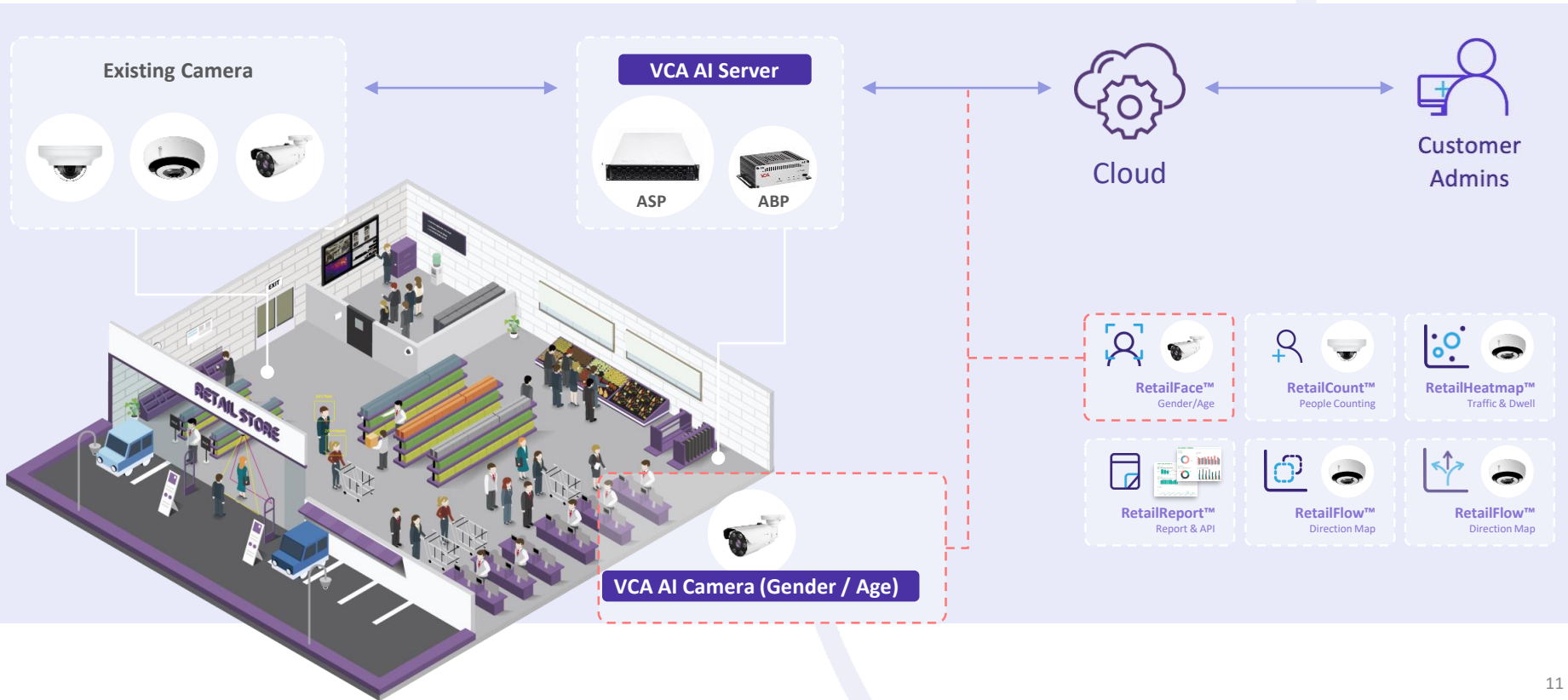
System Configuration ① | VCA AI Camera to Cloud Service (Multiple Stores)



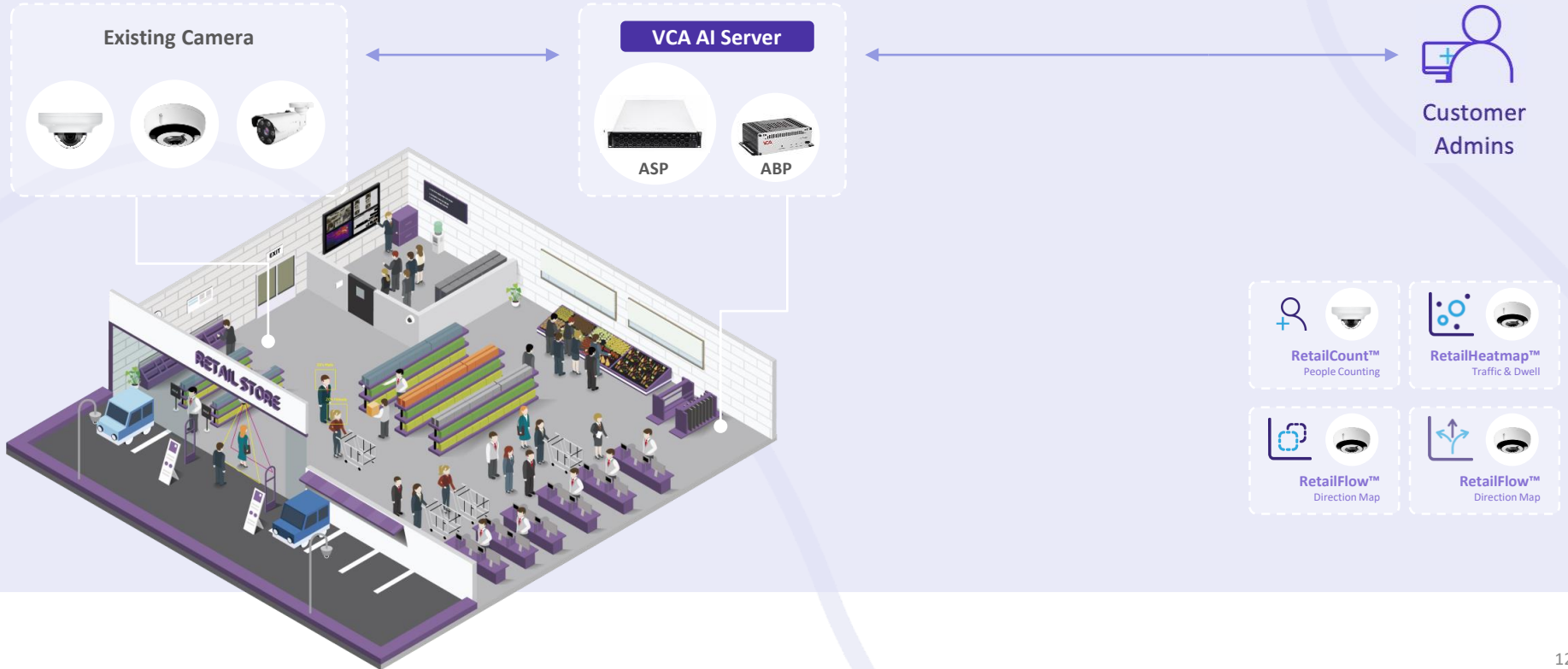
System Configuration ② | “Existing Camera + VCA AI Server” to Cloud Service (Multiple Stores)



System Configuration ③ | “Existing Camera + VCA AI Server, VCA AI Camera” to Cloud Service (Multiple Stores)



System Configuration ④ | “Existing Camera + VCA AI Server” to On-Premise Service (Single Store)



Differences between System Configurations & Price

	Cloud Based Service (Continued feature upgrade)			On-Premise Service (no upgrade)
System Configurations	VCA AI Camera	Existing Camera + VCA AI Server	Existing Camera + VCA AI Server + VCA AI Camera (Gender/Age)	Existing Camera + VCA AI Server
Service	RetailCount™	RetailCount™	RetailCount™	RetailCount™
	RetailFlow™	RetailFlow™	RetailFlow™	RetailFlow™
	RetailHeatmap™	RetailHeatmap™	RetailHeatmap™	RetailHeatmap™
	RetailTraffic™	RetailTraffic™	RetailTraffic™	RetailTraffic™
	RetailReport™	RetailReport™	RetailReport™	RetailReport™
	RetailFace™		RetailFace™	
Price	VCA AI Camera (ProAi license) + Monthly Service Fee	VCA AI Server (ProAi license) + Monthly Service Fee	VCA AI Server / VCA AI Camera (ProAi license) + Monthly Service Fee	VCA AI Server (ProAi license) + One Time Service Fee

Case Study

SAMSUNG
삼성디지털프라자



Brand	—	<i>Samsung Digtanplaza is the largest electronics distributor in Korea</i>
Location	—	<i>Nationwide, Korea</i>
Services	—	<i>Flow Map, Zone Traffic, People Counting</i>
Needs	—	<i>Mall traffic / Inflow factors and rate of inflow by product corner / Renewals Performance Test</i>

LOTTE Hi-mart
하이마트



Brand	—	<i>Lotte Hi-mart has been the largest electronics distributor in Korea with 470 direct-operated stores nationwide.</i>
Location	—	<i>Nationwide, Korea</i>
Services	—	<i>Flow Map, Zone Traffic, People Counting</i>
Needs	—	<i>Mall traffic / Inflow factors and rate of inflow by product corner / Renewals Performance Test</i>

DOOTA
MALL



Brand	—	<i>A fashion shopping mall with 5 floors above and 2 floors below ground. More than 100 designer shops are located, and over 8 million domestic and foreign shoppers visit every year.</i>
Location	—	<i>Seoul, Korea</i>
Services	—	<i>People Counting</i>
Needs	—	<i>Mall Visits / Draw Rate by Floor / Draw Rate to Doota Mall from Duty Free Shop</i>

KYOBO 교보문고



Brand	—	<i>Established in 1980, Kyobo Bookstore has been the largest bookstore in Korea that pioneered a large bookstore market, operating 42 stores nationwide.</i>
Location	—	<i>Nationwide, Korea</i>
Services	—	<i>People Counting / Zone Traffic</i>
Needs	—	<i>Store Visits / Visits & Draw Rate per Zone</i>



Get Every Insights Before Sales

Optimize Performance of Retail Stores by Understanding Visitor Behavior **Boost Sales**