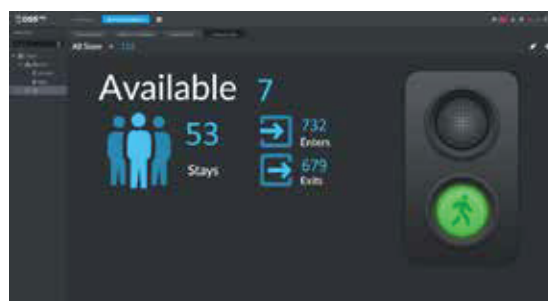
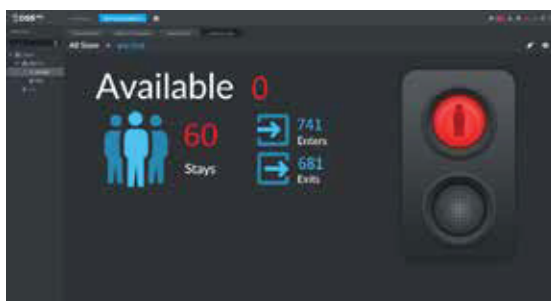




Occupancy Control System for Retail

Overview

Many grocery stores and super markets have begun limiting the number of customers allowed in the store at once, joining a list of businesses working to enforce social distancing during the coronavirus pandemic. The use of people counting cameras can help businesses track how many customers have entered and exited a store during any given time.



Store Live View

Show the number of people inside the store in real-time to help monitor occupancy limits and manage entrance monitoring efficiency.

Entry Rate

Monitor how many people physically enter the store, vs just those that pass by, to more accurately track foot traffic.

Customer Flow Analysis

Monitor the relationship between customer flow, weather and temperature by tracking Thermal Temperature detection and Customer low-limiting functions all through one DSS VMS.

Optimize Staff

Align staff and customer-to-staff ratios at peak hours by identify traffic cycles across days, months, or even years.

Customer Flow Analysis Report

Understand peak periods of customer traffic, and arrange staff to provide optimized customer service offerings.



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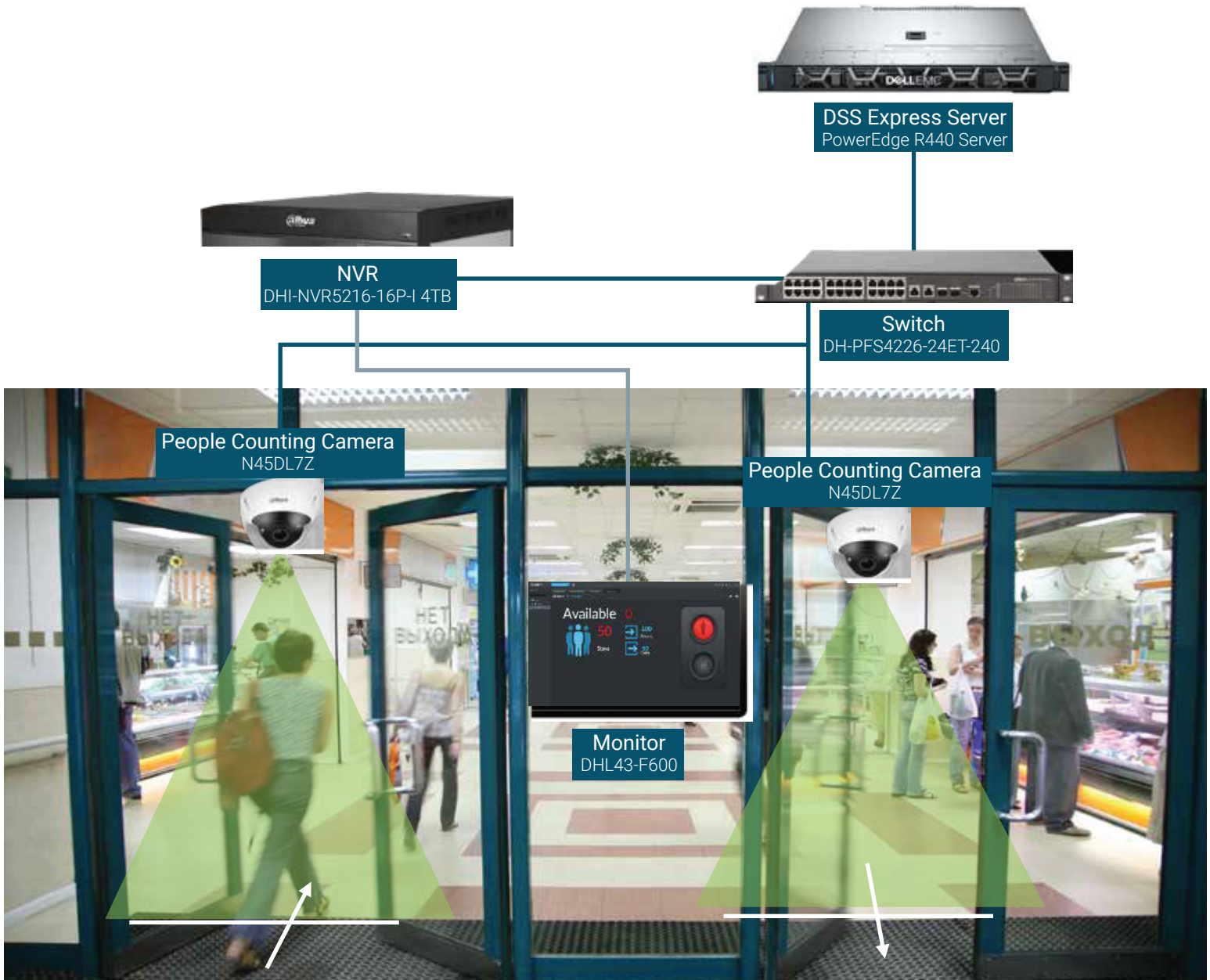
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OUR PARTNERS:



System Diagram



People Counting Cameras	Software	Server	Display	Storage	
 <p>N45DL7Z 4MP IR Starlight+ Vari-focal ePoE Dome Camera</p> <ul style="list-style-type: none"> 1/1.8-in. 4 MP Progressive-scan CMOS Sensor Triple-stream Encoding Smart H.265+ and Smart H.264+ Dual Codec 4 MP (2688 x 1520) at 30 fps, 2.7 mm to 12 mm Motorized Vari-focal Lens Starlight+ Technology Analytics+ Functions ArcticPro Series Camera IP67 / IK10 True Wide Dynamic Range (120 dB) and Day/Night IR Cut Filter Maximum IR LED Distance 45 m (147.64 ft) 	 <p>N45DB7Z 4MP IR Starlight+ Vari-focal ePoE Bullet Camera</p> <ul style="list-style-type: none"> 1/1.8-in. 4 MP Progressive-scan CMOS Sensor Triple-stream Encoding Smart H.265+ and Smart H.264+ Dual Codec 4 MP (2688 x 1520) at 30 fps, 2.7 mm to 12 mm Motorized Vari-focal Lens Analytics+ Functions ArcticPro Series Camera IP67 / IK10 True Wide Dynamic Range (120 dB) and Day/Night IR Cut Filter Maximum IR LED Distance 50 m (164.04 ft) 	 <p>DSS Express Video Management System</p> <ul style="list-style-type: none"> Integrates All Management Functions into One Client Allows Device Initialization and Management Live Video Playback from Edge Device Supports Access Control and Video Intercom Integration Configure Video Wall Layout and Scheme Offers Fisheye Camera Dewarping on Live View Offers Facial Recognition and Search on Live View 	 <p>PowerEdge R440 Server</p> <ul style="list-style-type: none"> Intel Xeon Silver 4114@ 2.2GHz 10 Core Processor Memory 16GB 1TB, 500G free for DSS Ethernet : 4 Ports@1000Mbps 	 <p>DHL43-F600 43-in. Full HD LCD Monitor</p> <ul style="list-style-type: none"> Industrial-grade DID LCD Panel for Continuous Operation 1920 x 1080p Resolution High-fidelity Digital Signal Processing for Vivid Video Built-in 3D Comb Filter and 3D Noise Reduction Fast Response Time (5 ms) with no Image Ghosting Built-in Speaker 16.7 Million Colors Supports HDMI and VGA Video Input 	 <p>DHI-NVR5216-16P-I 4TB 4K 16-ch 1U NVR with Analytics+</p> <ul style="list-style-type: none"> Maximum 320 Mbps Incoming Bandwidth Available with a 4 TB Pre-installed Hard Drive 16 IP Channel Video Access Smart H.265+ and Smart H.264+ Video Compression Perimeter Protection with Rule Definitions per Channel (up to 4 channels) Video Stream Face Recognition (up to 4 channels) Processes 24 Facial Images per Second Facial Database Management, Stores up to 20,000 Faces