

ACCESS CONTROL COMPUTER VISION SOLUTION

REGULATE THE PUBLIC SPACES FLOW OF TRAFFIC

ENFORCE LOCAL OCCUPANCY RULES

- Detect Face Masks
- Monitor Multiple Entry Points Simultaneously
- Set Adjustable Occupancy Rules and Flexible Instructions

COUNT, SCREEN, GUIDE YOUR VISITORS



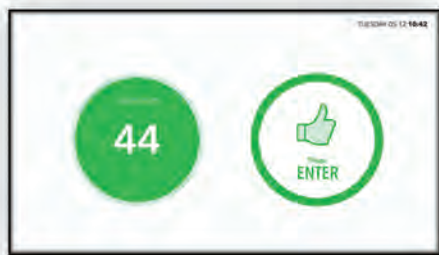
SAFEGUARD YOUR BUSINESS

- Comply with local health and safety regulations
- Optimize your ROI
- Enhance the customer's experience
- Reduce your security costs

The Covid-19 pandemic crisis has emphasised the need for controlling access to public spaces and retail stores. Businesses worldwide understand the importance of managing customer and employee access to keep everyone healthy and comply with new health and safety regulations. This is where QL Access Control comes into play.

Navori Labs' QL digital signage software is recognized as the most reliable, interoperable, and user-friendly platform on the market. QL Access Control is the company's latest software add-on that lets you monitor and control visitor traffic at each point of entry.

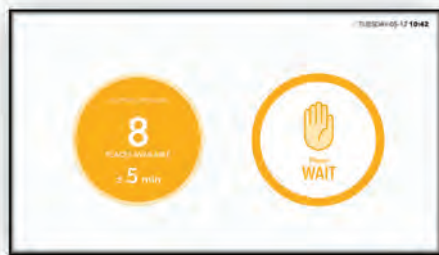
OUR PROPRIETARY VIDEO TRACKING TECHNOLOGY OFFERS BUSINESSES A SIMPLE AND COST-EFFICIENT TRAFFIC MANAGERMENTS SOLUTION:



INFORM YOUR VISITORS AT EACH ENTRY POINT

Completely integrated digital signage solution that supports any TV or digital signage screen. Use real-time occupancy metrics to inform visitors at the point of entry :

- Display occupancy
- Provide clear instructions: Enter, Wait, or face mask required - Stop
- Control access and manage queues more efficiently



MEASURE OCCUPANCY AND WAIT TIMES

Count the number of people entering and exiting the premises so you always know :

- the number of occupants
- expected wait times with a display showing the number of places that will be available in the next five minutes

MONITOR MULTIPLE ENTRY AND EXIT POINTS SIMULTANEOUSLY

QL Access Control lets you monitor multiple entry/exit points, so your occupancy metrics are always accurate.



DETECT IF VISITORS ARE WEARING A FACE MASK

QL Access Control uses computer vision analysis to detect if a visitor is wearing a mask. The software accurately detects face masks of any color, shape, or fabric pattern.

EASILY CREATE YOUR OWN OCCUPANCY RULES

Define occupancy rules based on the number of people allowed, the coverage area or mandated security and sanitary requirements - including face mask compliance. Create your own rules in a couple of mouse clicks.

PERSONALIZE YOUR MESSAGE

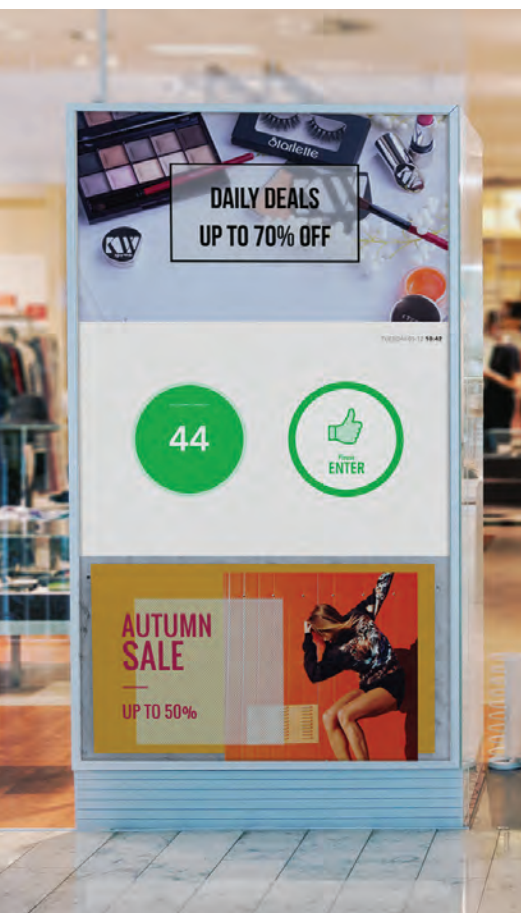
Take advantage of your audience's wait times to improve their experience with entertaining and engaging content: live social media feeds, RSS/XML data and calendar events with no programming required. Use QL Template Designer to deliver personalized messages, brand enhancing content, promotions, or health & safety recommendations.

SUPPORT ALL TYPES OF SECURITY CAMERAS

Is your site already equipped with video security cameras to monitor entrances and exits? Then you're all set. QL Access Control works with all IP and USB cameras. See the technical requirement table below.

RESPECTS THE PUBLIC'S PRIVACY

QL Access Control does not identify individuals nor store any data resulting from face recognition. It was made at 100% by Navori R&D and is guaranteed 100% anonymous. It complies with GDPR standards.



TECHNICAL REQUIREMENTS

QL Access Control requires the following:

1. A Navori QL 2.2.5 Professional digital signage software licence (cloud or on premise version)

2. A regular computer

3. A IP or USB camera

4. A Screen

1. DIGITAL SIGNAGE SOFTWARE

| | | | Cloud | On Premise |
|--------|--------------------|--|--------------|--------------|
| SKU | ADD-ON DESIGNATION | DESCRIPTION | Professional | Professional |
| BAP-17 | QL Access Control | Monitors location occupancy with face mask detection | ✓ | ✓ |

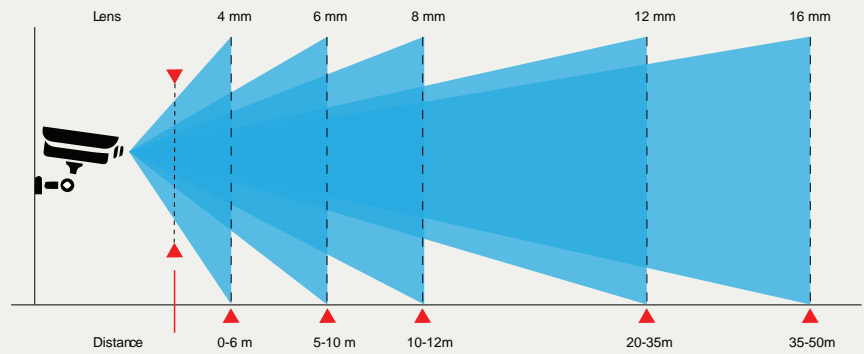
2. COMPUTER

| OPERATING SYSTEM | WINDOWS |
|------------------|--|
| Operating System | Windows 10 |
| CPU | Intel Core i5 |
| GPU | DirectX compatible graphics card |
| VPU | AI Core X: Edge Computing Module with Intel® Movidius™ Myriad™ X VPU, 1 x Intel® |
| RAM | 2GB |
| STORAGE | HDD or SDD |
| NETWORKING | HTTPS (any port - user - customizable) |
| PROXY | ✓ |

3. CAMERA

| | USB Camera | IP Camera |
|---------------------------|---|----------------------------|
| Resolution | 1080p / 2160p depending on requirements. Logitech cameras are not supported | 1080p |
| Minimum FPS | 10 | 10 |
| Streaming | - | RTSP |
| Recommended viewing angle | 180° FOV of at least 75±5° | 180° FOV of at least 75±5° |
| Sensitivity | at least 4.0V / (lux · s) | at least 4.0V/(luxww· s) |
| Sharpness | at least 1000LW/PH at least 1000LW/PH | at least 1000LW/PH |
| Built in encoding | h.264 | h.264 |

Selecting a lens :



The following specifications are based on standard light conditions, camera located at eye-level on an OTS field of vision less than 5 meters away from a passer-by:

- Object distance 10cm to infinity
- F-number of 3.0
- Focal length of 4.3mm

Camera specifications may need to be adjusted depending on actual light conditions, camera angles, distance from people, etc.

4. A VIDEO SCREEN OR KIOSK

Compatible with any digital display, TV screen or kiosk display.

About NAVORI Labs

Navori Labs is a global software innovator with 22 years experience in delivering premium technologies and large-scale deployment expertise to thousands of customers worldwide. Our software is developed in-house by Navori's own R&D department supported by the company's team of highly qualified engineers. The company is a world-leader dedicated to digital signage and computer vision technologies.

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