









Reduced Crowd is a Government Regulation



STORES ARE GOING TO HAVE FEWER PEOPLE INSIDE

The new executive order limits the number of people allowed inside stores at one time, which means fewer people crowding the aisles, but also, if you go at a busy time, you may have to wait in line outside.

<u>Some stores were already doing this</u> — Target, Trader Joe's, Wegmans and Harris Teeter were already placing limits on occupancy. But now there are concrete rules requiring the metering of occupants and guidelines for how occupancy must be calculated.

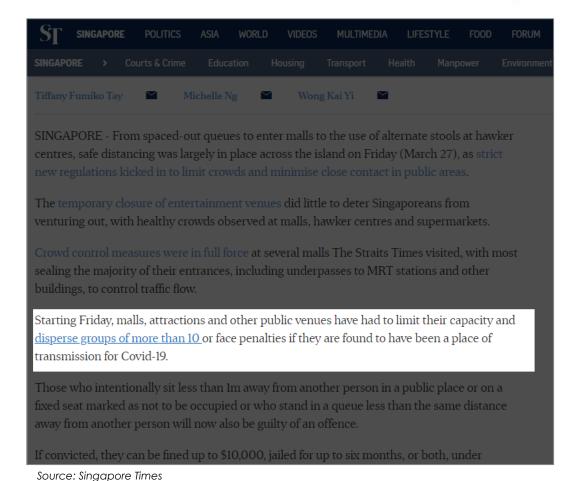
- The new executive order dictates that stores are limited to 20% of the stated fire capacity, or they can have 5 persons per 1,000 square feet. This is called Emergency Maximum Occupancy.
- Stores must have personnel at the door to limit access once the store has Emergency Maximum Occupancy.
- When Emergency Maximum Occupancy is reached and people are lined up outside stores, the store must clearly mark lines six feet apart where people can stand while waiting.

ONCE YOU'RE INSIDE, STAY FAR APART

The CDC has repeatedly said the best way to slow the spread of COVID-19 is to maintain a distance from others. If you must go out, stay six feet apart from other people.

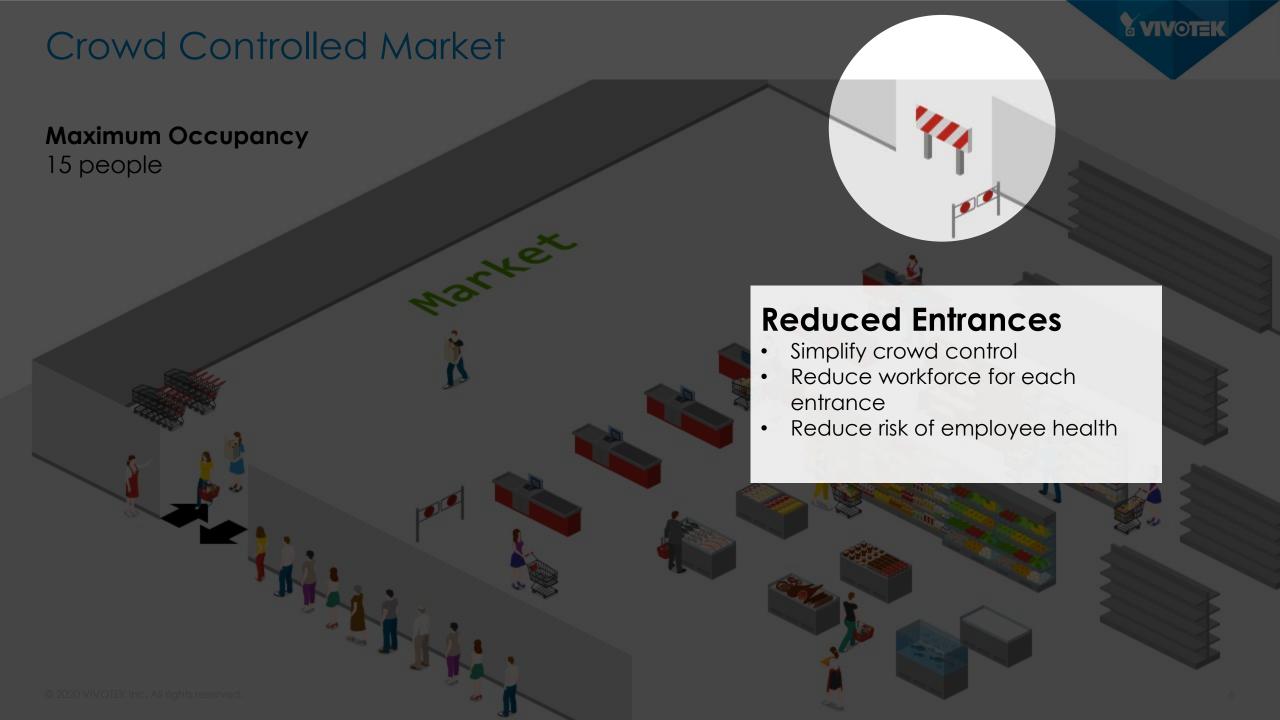
But anyone who has been inside a store lately knows that not everyone follows that rule. (Note: Experts say it's <u>OK to quickly pass others in an aisle</u>, but you should not linger near other shoppers or workers, contemplating which cut of meat looks better. Likewise, if someone is looking at the chicken, stand back and let them finish before crowding in.)

Source: New Observer



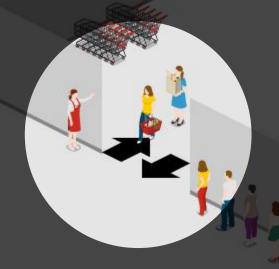
Current







Maximum Occupancy 15 people



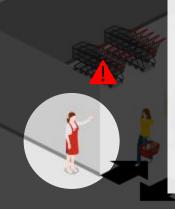
Manual Counting

- Single entrance and exit
- Assign employee for crowd control
- 1-in and 1-out



Maximum Occupancy

15 people



High Health Risk

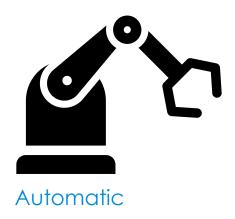
- Long time exposure to customer
- Queued line is difficult to remain social distance
- If infected, all staffs quarantined

VIVOTEK Crowd Control Solution



VIVOTEK Crowd Control Solution



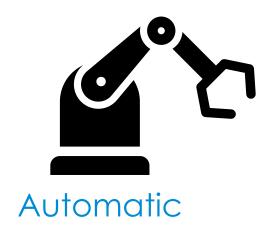






VIVOTEK Crowd Control Solution













Cold-Warm-Hot Dashboard









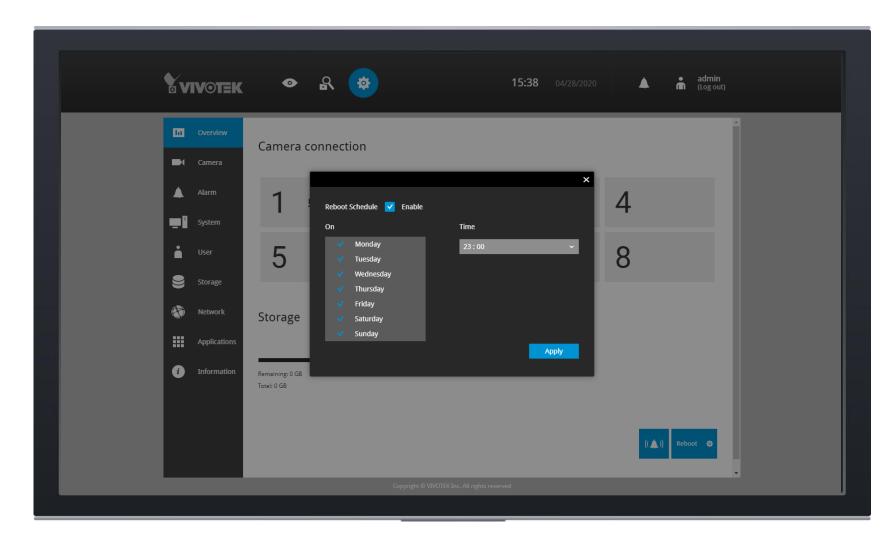
Enter

Control

Stop

Auto Reset Count to Zero

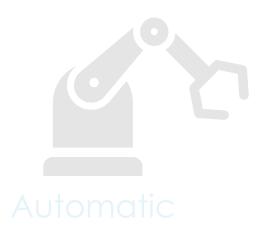




- Reset counter each day
- Automatic restart to counter page without configuration

VIVOTEK Crowd Control Solution







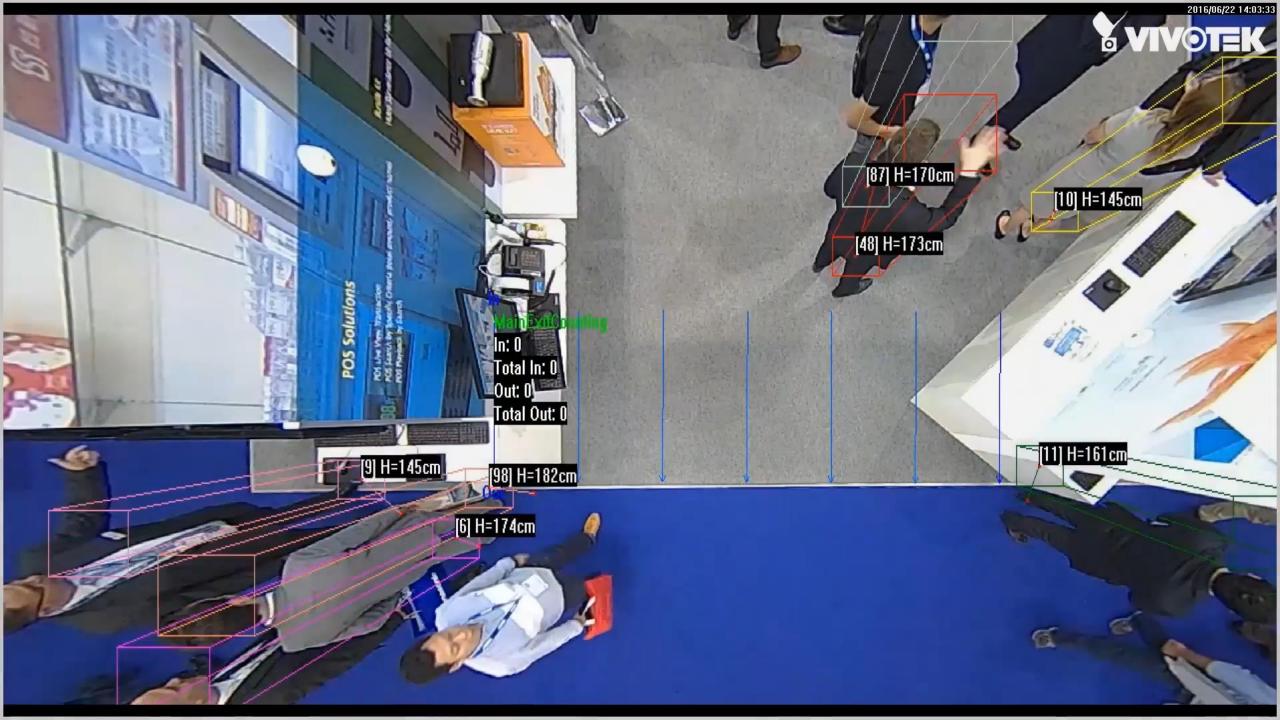


Counting camera



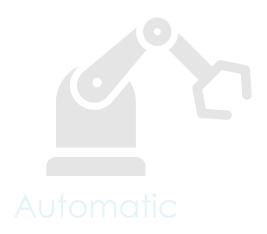
- VIVOTEK's 3D Depth Technology
- Up to 98% counting accuracy rate
- Real-time data
 (system/counting/daily reports; time/region reports)
- Object tracking path
- Filter carts, children and strollers
- Bi-directional counting on definable flow
- Detection of U-turns to avoid double counting
- Not Influenced by shadows, reflections or glare conditions





VIVOTEK Crowd Control Solution



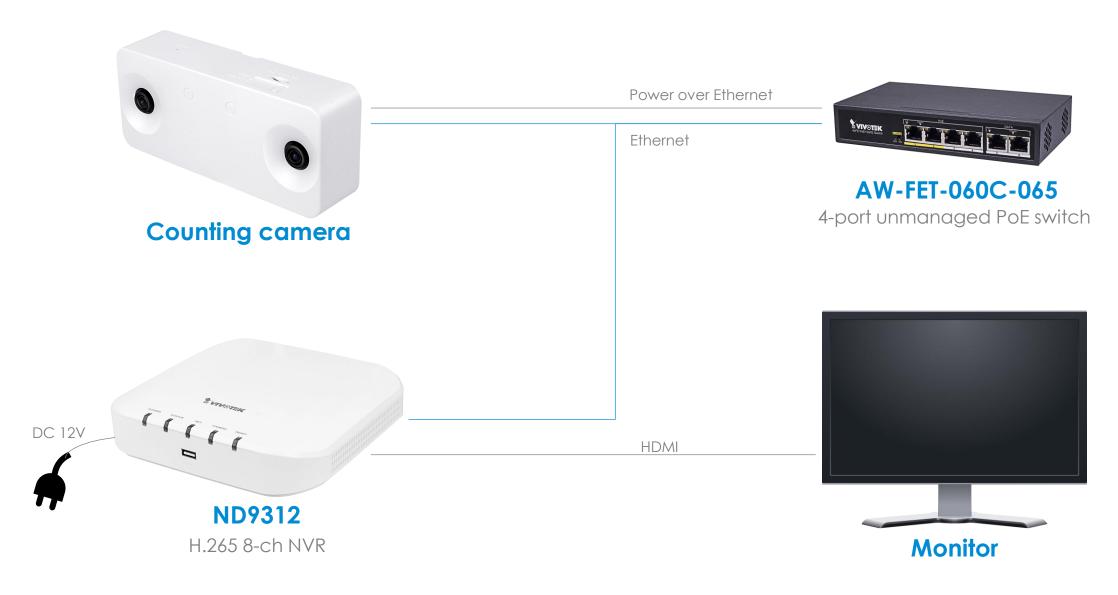






Architecture

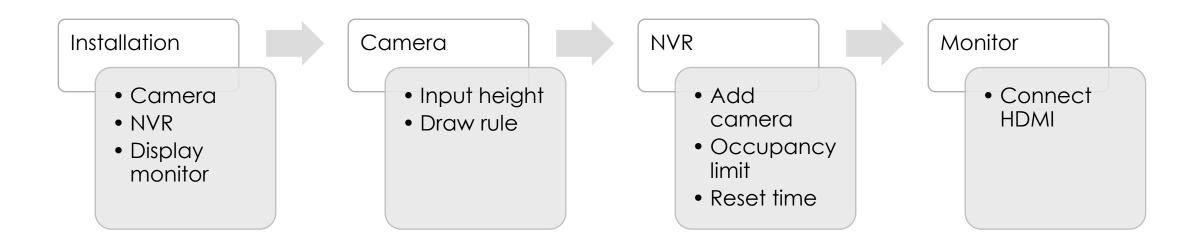




Quick Deployment



4 Phase 9 Steps



Before vs
After













Independent entrance & exit

- Avoid crowd at single entrance and exit
- Counting camera at entrance and exit

Maximum Occupancy 15 people



- Avoid crowd at single entrance and
- Centralized crowd control system
- Dashboard at each entrance and exit



Benefit for all parties

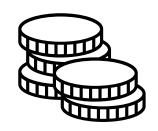


Government



Regulations are followed

Store Manager



Cost is lowered

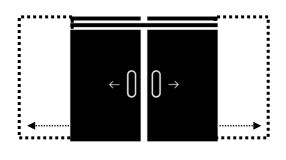
Customer

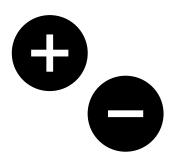


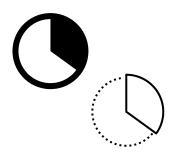
Store is safer











Wide Door

Adjustment

Occupancy Mode

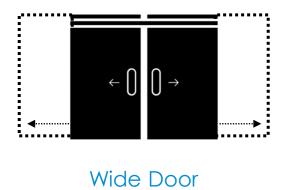




Language

2021









Adjustment

Occupancy Mode



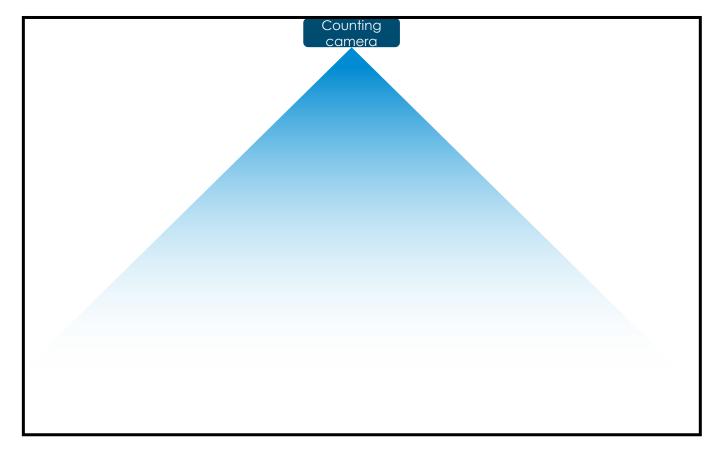




2021

Wider Door

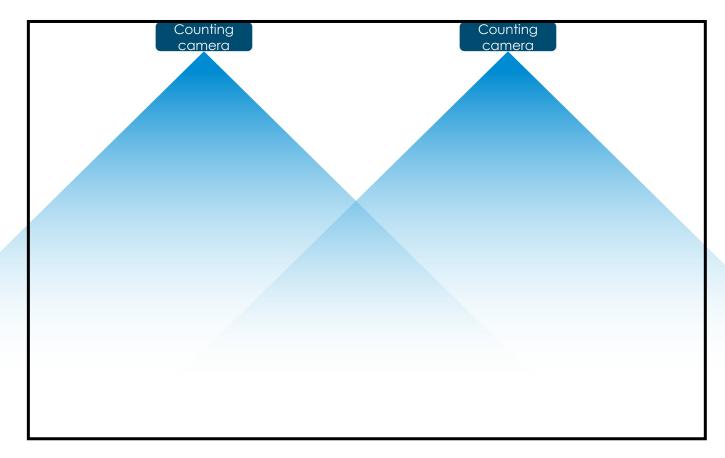




What if the door width is wider than the FOV of single counting camera?

Wider Door





What if the door width is wider than the FOV of single counting camera?

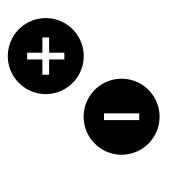
Stitch

multiple counting cameras together to cover the door width.









Adjustment



Occupancy Mode

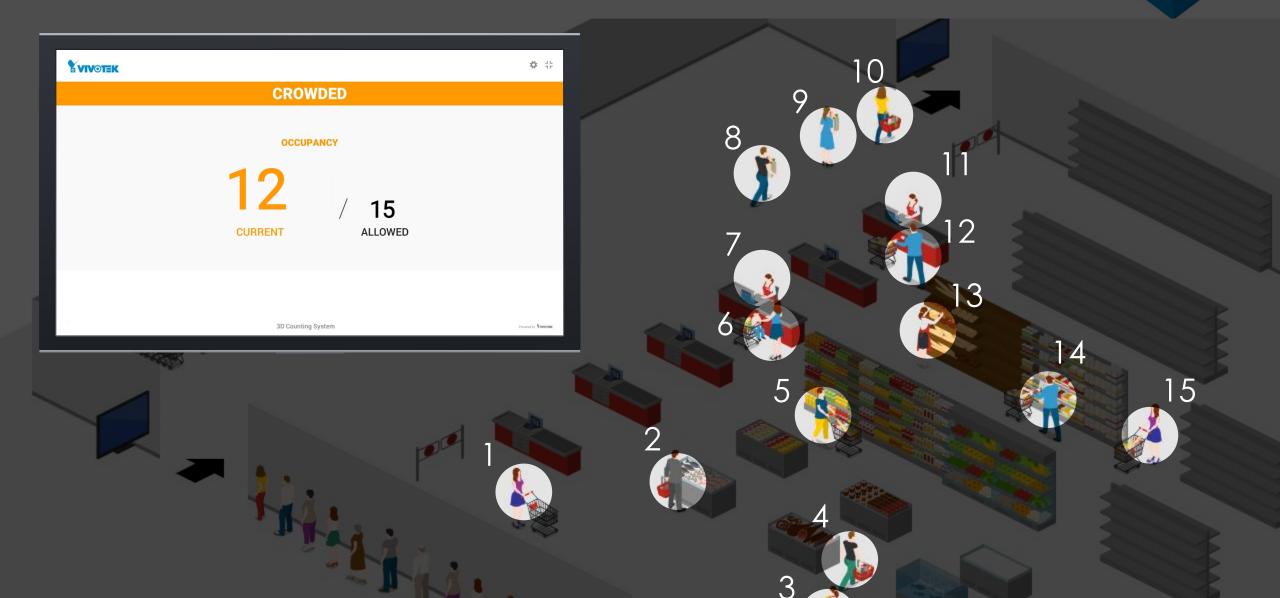


Language



2021





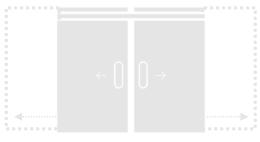
Manual Counting





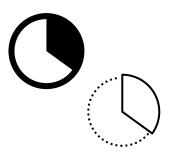
Extended Scenarios











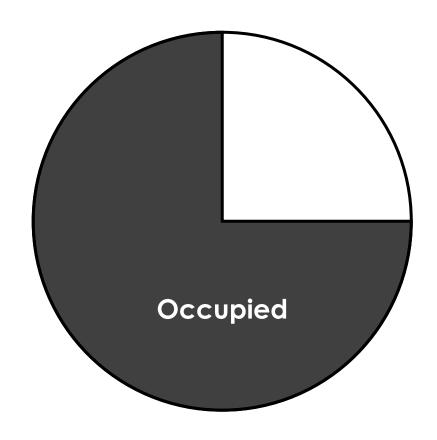
Occupancy Mode

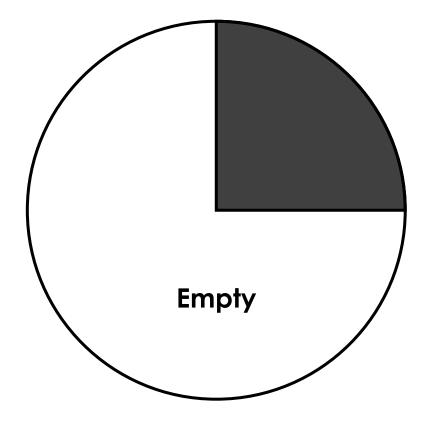




Occupancy Mode

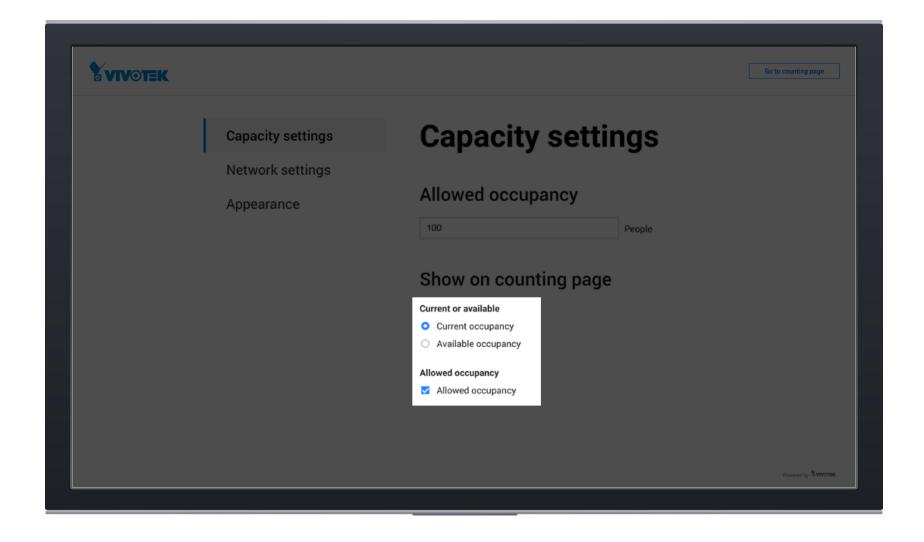






Display in Current or Available occupancy





Display Mode









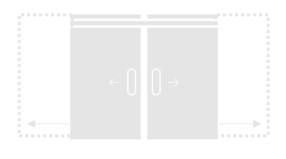
Occupied

Available

Simplified

Extended Scenarios









Wide Door

Adjustment

Occupancy Mode





Language

2021

13 Language Supported



Czech

English

French

German

Italian

Japanese

Korea

Persian

Polish

Portuguese

Russian

Simplified Chinese

Spanish

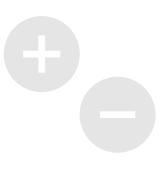
Traditional Chinese

Extended Scenarios









Adjustment



Occupancy Mode



Language



2021



What happens after COVID-19 ends



Surveillance





**Crowd control solution does not require HDD installed.

ND9321

- H.265 Compression Technology
- Up to 8 Channel IP Camera Input
- HDMI Video Output up to 4K Resolution
- 1 x 3.5" SATA HDD
- Up to 8MP Camera Live View and Playback
- Trend Micro IoT Security
- Multiple Browsers Supported
- Live and Playback Fisheye Dewarp
- VIVOCloud App & Portal for 24/7 Viewing
- Compact Size with Fanless Design

VIVOCLOUD Retail





- Stores Long-Term Counting Data up to 2 Years
- Customize Counting Data Reports
- Supports Web Portal and App
- Direct Use of VIVOCloud Account
- Supports VIVOTEK Counting Cameras

In the future

Purchase Guide



Crowd Control Bundle Kit











Counting camera

100137200G

ND9312

100218100G

AW-FET-060C-065

100179400G