Essential Deep Learning Applications to Fight

IDIS AI Box for COVID-19

The new IDIS AI Box (DV-2232) helps organizations to adhere with social distancing and occupancy density. These Deep Learning based functions support safe working practices, government regulations, and industry-specific guidelines to help prevent the spread of COVID-19. Features include social distance monitoring, people counting, occupancy control, and mask detection, together with a live occupancy dashboard and reporting tools.

Users can utilize four advanced video analytics functions in a single IDIS AI Box – all powered by the industry-beating, accurate IDIS Deep Learning Engine.

IDIS One Solution. One Company.

Essential Deep Learning Applications to Fight COVID-19 In One AI Box

Используйте четыре расширенных функции видеоаналитики в одном устройстве IDIS AI Box: нарушение социального дистанцирования, подсчет людей и превышение предела заполняемости помещений, обнаружение толпы, нарушение правил ношения масок, на основе самого точного в отрасли механизма глубокого обучения IDIS.

Используйте существующие системы видеонаблюдения

· IDIS AI Box совместим с существующими камерами и видеорегистраторами IDIS
· Без дополнительных затрат на покупку и обновление системы
· Возможность адаптации для компаний любого размера

Подсчет людей и контроль превышения предела заполняемости помещений

Occupancy Web Dashboard

Инновационная поддержка

· Используйте до 32-х камер для подсчета людей и управления количеством вход / выходов в режиме реального времени.
· Устанавливайте до 32 зон для контроля заполняемости помещения
· Occupancy dashboards display a 3-step traffic light image output.
· Кастомизация с использованием логотипа и других изображений

· Высокая точность определения окружения для определения безопасного расстояния
· Wide range analysis compared to Top View
· Video security and BI analysis possible with the same camera

Social Distancing Violation Detection

· This function detects distance between individuals and sends an alarm when a defined distance is violated.
· Event notifications can be configured with audio alarms to issue verbal warnings.
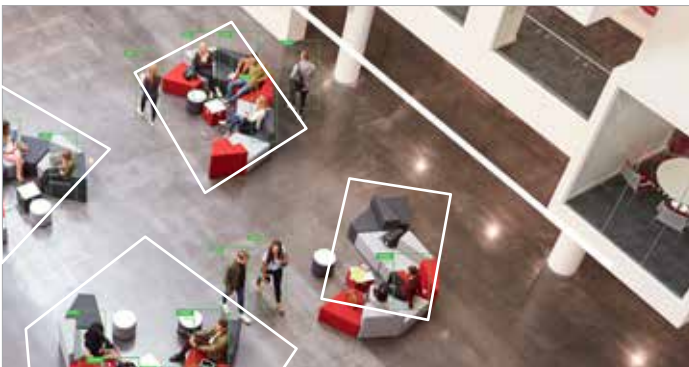· Choose from five spacing sensitivity levels.
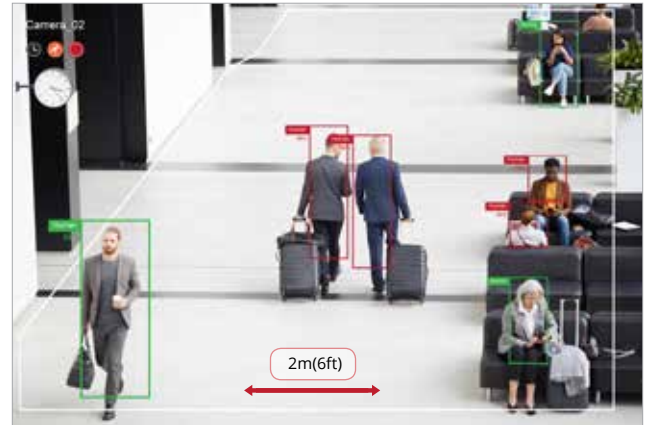
32-Channel Real-Time Simultaneous Video Analysis

· Analyze 32-channels using just one AI in the Box.
· Benefit from four intelligent video analytics functions from one camera stream.
· Fast and simultaneous registration of multiple NVRs.

32-CH
Real-Time
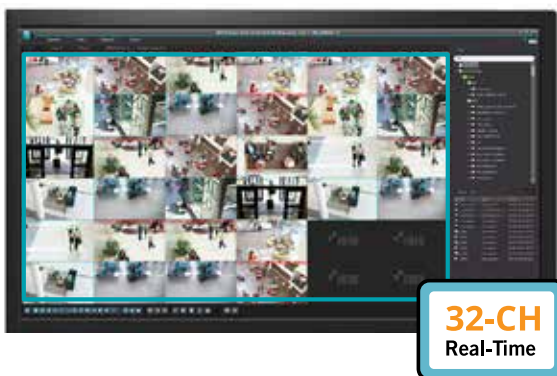
Crowd Detection

Detects crowds in pre-selected zones and triggers event alarms should a bottleneck or overcrowding occur.
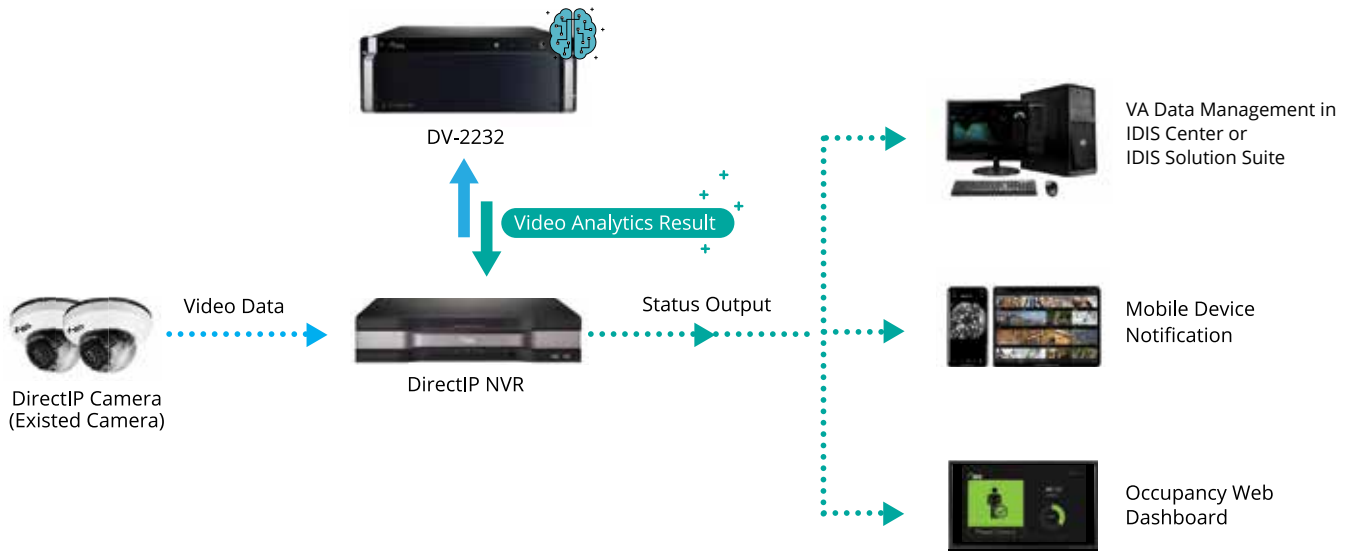
Face Mask Detection

Users can choose to detect people wearing a mask or people who are not wearing a mask, and trigger event alarms accordingly.

Reports

· Dashboards and reporting tools for people counting and rule violations by time, day, and month.
· Management and analysis of up to four stores.
· Ability to export data to Excel spreadsheets.

Operation Diagram

DV-2232

Video Analytics Result

Video Data

Status Output

DirectIP Camera
(Existed Camera)

DirectIP NVR

VA Data Management in
IDIS Center or
IDIS Solution Suite

Mobile Device
Notification

Occupancy Web
Dashboard

AI in the Box

DV-2232

IDIS Deep Learning Analytics (IDLA)
Powered by
IDIS Deep Learning Engine

· A specialized DirectIP NVR

· Supports up to 32-ch IP cameras

· Powered by advanced IDIS Deep-Learning Analytics (IDLA)

· People Counting and Occupancy Control

· Crowd Detection

· Social Distancing Violation

· Mask Rule Violation

· Real-time event notifications with high accuracy

· Live Occupancy Dashboard

· Dashboard Reporting of visitor flow and compliance

DV-2232	
SYSTEM	
Video Compression	H.264, H.265
Video Inputs	32ch IP
Supported Device	DirectIP NVR
Newtork Connection	Gigabit Ethernet x 2 (1000Base-T)
IDLA Processing Unit	NVIDIA RTX2060, 8GB
Operating System	Microsoft® Windows Embedded Standard 8
Processor	Intel® I7-7700, 3.6GHz
Memory	DDR4 PC-19200, 8GB
Video Outputs	1 HDMI, 1 DP, 1 VGA
USB	6 (2 Front USB 2.0 + 2 Back USB 3.0 + 2 Back USB 2.0)
VA Support	People Counting, Occupancy Control
	Crowd Detection
	Social Distancing Violation
	Mask Rule Violation
GENERAL	
Unit Dimension (W x H x D)	440mm x 462mm x 177mm (17.3" x 18.2" x 7.0")
Unit Weight	14.0kg (30.9 lb)
Operating Temperature	0°C to 40°C (32°F to 104°F)
Operating Humidity	0% to 90%
Power Input	AC 100-240 V, 50/60Hz, 5.5 - 2.5A
Power Supply	Singlel Power
Power Consumption	350W
ACCESSORIES SUPPLIED	
Power Cord	1
GENERAL	
Approvals	FCC, CE, CB, UL, KC