

# NVIDIA INTELLIGENT VIDEO ANALYTICS (IVA)

DEEP LEARNING FOR DEEPER VIDEO INSIGHT

## SAFETY AND DATA SERVICES

### STANDARD CAMERA

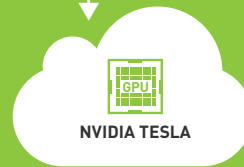
Video is captured and the camera may do basic analytics. Video is transmitted for deeper analytics to a Jetson or Tesla-powered appliance.

### AI CAMERA

Video is captured and analyzed using deep learning for powerful insights in real time. Transmission of metadata saves bandwidth to the cloud.

### ON-PREMISES ANALYTICS

All video streams on the network are analyzed using deep learning for rich metadata extraction. These are low-powered appliances based on Jetson or workstations with Tesla.



### CLOUD ANALYTICS

Cloud-based applications deliver global situational awareness with deep data processing.

## POWERFUL INSIGHTS

Fast, accurate analytics give you better insight and ROI.



PARKING SPOT LOCATION

TRAFFIC MANAGEMENT

CROWD BEHAVIOR



ANOMALY DETECTION

OBJECT RECOGNITION

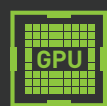
FAST FORENSICS



DEMOGRAPHICS

DWELL TIME

BEHAVIOR ANALYSIS



# 20X

MORE EFFICIENT  
THAN CPU SOLUTIONS

## SINGLE EDGE-TO-CLOUD PLATFORM

Amazing data insights — delivered by GPU-powered deep learning and AI — boost public safety, lower theft, and improve customer experiences.



AI  
CITIES



PUBLIC  
SAFETY



BUSINESS  
INSIGHTS

Learn more about the fast,  
powerful NVIDIA Tesla GPU at  
[www.nvidia.com/Tesla](http://www.nvidia.com/Tesla)

Learn more about the  
NVIDIA Jetson embedded platform at  
[www.nvidia.com/Jetson](http://www.nvidia.com/Jetson)