

NVIDIA INTELLIGENT VIDEO ANALYTICS (IVA)

DEEP LEARNING FOR DEEPER VIDEO INSIGHT



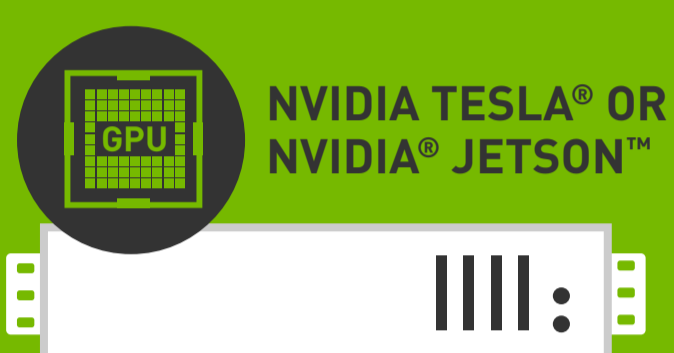
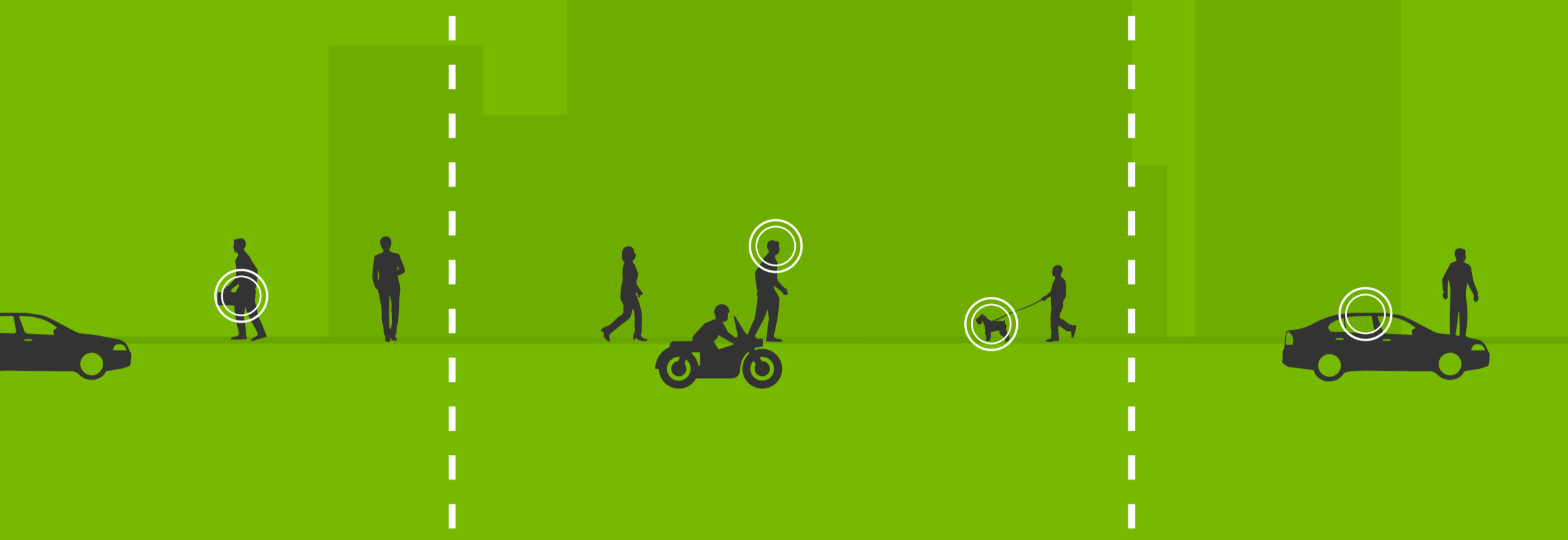
SAFETY AND DATA SERVICES

STANDARD CAMERA

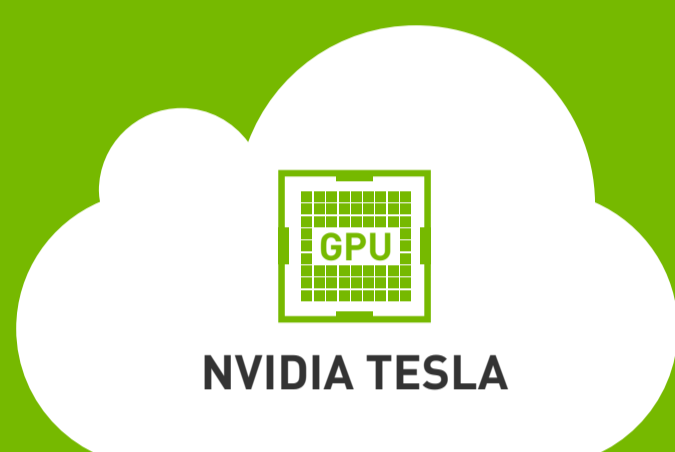
Video is captured and the camera may do basic analytics. Video is transmitted for deeper analytics to a Jetson or Tesla-powered appliance.

A.I. CAMERA

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



NVIDIA TESLA® OR NVIDIA® JETSON™



NVIDIA TESLA

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.



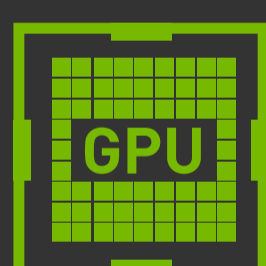
- PARKING SPOT LOCATION
- TRAFFIC MANAGEMENT
- CROWD BEHAVIOR



- ANOMALY DETECTION
- FACE 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.



A.I. CITIES



PUBLIC SAFETY



BUSINESS INSIGHTS

Learn more about the fast, powerful NVIDIA Tesla GPU at www.nvidia.com/Tesla

Learn more about the NVIDIA Jetson embedded platform at www.nvidia.com/Jetson