

AI BASED ANALYTICS SERVER

All-in-One, Stand-Alone Analytics Sever



- Hardware solution allow quick deployment of video analytics.
- Open and standard interfaces for rapid integration.
- Optional WVCA Forensic search service
- Stream video directly from any IP camera or VMS via RTSP.
- State-of-the-art Machine Learning and AI algorithms for tracking people, vehicle types and bags.
- Full analytics metadata stream provided to facilitate forensic search or other value-add applications.
- customisable out-of-the-box html5 user interface for analytics configuration: configure rules and review events using your web browser on any device (via Chrome on Windows, Linux, Mac, Android).
- 3 years warranty
- Contact sales.americas@wavesysglobal.com for more information



The WVCA ETS range is a hardware platform that comes loaded with WVCA server, providing industry-leading deep learning video analytics for event notification. It can support WVCA forensics for advanced post-event appearance searches.

WVCA server has been designed from the ground up to be easy to use and integrate. With video streaming, event alerting and an HTML5 configuration interface out-of-the-box, simple integrations can be completed in less than a week.

ETS supports the WVCA range of AI based analytics to provide accurate detection of people, types of vehicles and objects as well as specific events such as slip and fall, hand held objects, shelf clearance and left bags

WVCA Forensics provides an intuitive using snapshots, video clips and metadata from WVCA server with the ability to play recorded footage from VMS platforms

AI FEATURES



FORENSIC SEARCH FEATURES



OVERVIEW

WVCAserver	industry leading deep learning video analytics software
• Channel Support	Up to 32 Channels when using the deep learning object tracker.
• Event Rules	Intrusion detection, Tamper detection, Enter & exit filters, Appear & Disappear filters, Stopping filter, Dwell filter, Direction filter, Counting, Abandoned object filter, Removed object filter, Zones & lines, Speed filter, 3D calibration, Tailgating filter, Logical rules.
• Event Actions	E-mail, TCP, HTTP
WVCAforensics	Providing advanced appearance searches using analytic metadata from WVCAserver
• Channel Support	Up to 32 Channels (WVCAserver deep learning object tracker configuration required).

PORTS

USB	Front <ul style="list-style-type: none"> • 4 x USB 3.0 ports Rear <ul style="list-style-type: none"> • 1 x USB Type-C® • 2 x USB 3.2 Gen • 3 x USB 3.2 Gen • 2 x USB 2.0 ports
Video (GPU)	<ul style="list-style-type: none"> • 1 x HDMI • ETS-30 - 2 x Display Ports • ETS-50 - 3 x Display Ports
Network	<ul style="list-style-type: none"> • 1 x RJ-45

SYSTEM	ETS-30		ETS-50	
Camera Series	IP-30	IP-30	IP-50 (Ai Deep Learning)	IP-50 (Ai Deep Learning)
Channel Capacity	16	32	32	64
Processor	Intel® Core™ i5-12600KF	Intel® Core™ i9-12900KF	Intel® Core™ i5-12600KF	Intel® Core™ i9-12900KF
Graphic Card	Nvidia® RTX 3050	Nvidia® RTX 3070	Nvidia® RTX 3050	Nvidia® RTX 3070
System Drive	SSD 250GB SATA	SSD 250GB M.2 NVMe	SSD 250GB SATA	SSD 250GB M.2 NVMe
Storage Drive	20 TB (7200rpm) <i>(Required for WVCAforensics database)</i>	30 TB (7200rpm) <i>(Required for WVCAforensics database)</i>	20 TB (7200rpm) <i>(Required for WVCAforensics database)</i>	30 TB (7200rpm) <i>(Required for WVCAforensics database)</i>
Application	Machine Learning DLOT + Forensic Server and Client Application at Single Hardware		Machine Learning DLOT on Edge / Forensic Server and Client Application at Single Hardware	
Operating System	Ubuntu / Windows 20.04 LTS Desktop		Ubuntu 20.04 LTS Desktop	
Network	Realtek 2.5Gb Ethernet		Realtek 2.5Gb Ethernet	
Memory (DDR RAM)	32 GB	64 GB	32 GB	64 GB
NVME	512	512	512	512

PARTS LIST

ETS-30	Video Analytics Server, supporting up to 32 channels of deep learning object tracker and WVCAforensics
ETS-50	Video Analytics Server, supporting up to 64 channels of deep learning object tracker and WVCAforensics
RAIL-KIT	19" Rack Rail Kits (compatible with ETS-30 and ETS-50)

