

# AI Based Analytics Server

All-in-One, Stand-Alone Analytics Server

- Hardware solution to allow quick deployment of video analytics.
- Open and standard interfaces for rapid integration.
- Optional Wavestore 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



The Wavestore WA-VADLOT series is a hardware platform that comes loaded with Wavestore Analytics Server, providing industry-leading Deep Learning video analytics for event notification. It can also support Wavestore Forensics for advanced post-event appearance searches.

The AI Server supports all the Wavestore AI 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

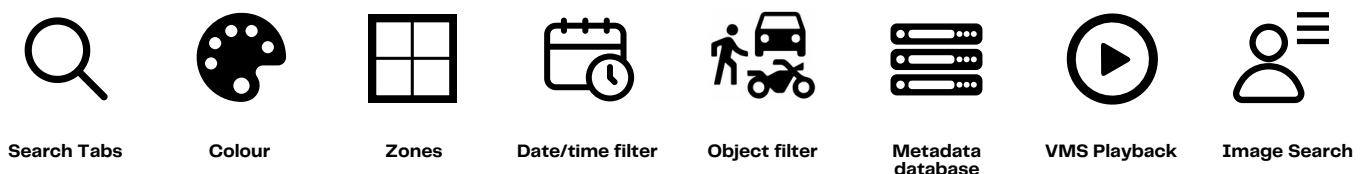
Wavestore Analytics Server has been designed from the ground up to be easy to use and integrate with video streaming, event alerting and an HTML5 configuration interface out-of-the-box.

Wavestore Forensics provides an intuitive appearance search tool, using snapshots, video clips and metadata from Wavestore Analytics Server with the ability to play recorded footage from the Wavestore VMS platform.

## AI Features



## Forensics Search Features



| OVERVIEW        |  |
|-----------------|--|
| WavestoreServer | Industry leading Deep learning video analytics software.   |
| Channel Support | Up to 12 Channels when using the deep learning object tracker at 6fps  |
| 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  |
| Forensics       | Providing advanced appearance searches using analytic metadata from WavestoreServer  |
| Channel Support | Up to 8 or 12 Channels at 6fps   |

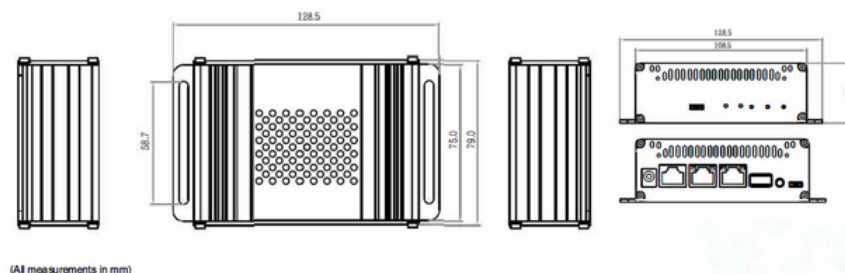
| SYSTEM            | WA-VADLOT-8                                    | WA-VADLOT-12                           |
|-------------------|--|--|
| Channel Capacity* | Up to 8 channels                               | Up to 12 channels                      |
| Core Module       | Orin Nano 4GB                                  | Orin Nano 8GB                          |
| GPU               | 512-core Ampere, with 16 Tensor Cores          | 1024-core Ampere, with 32 Tensor Cores |
| System Drive      | 250GB, M.2 NVME                                | 500GB, M.2 NVME                        |
| Services          | WavestoreServer - Optional: WavestoreForensics |  |
| Power             | DC 12V/5A (1 x DC power jack)                  |  |
| Color & Material  | Black/Silver & Metal                           |  |

| PORTS                            |                                  |
|----------------------------------|----------------------------------|
| USB                              | 2 x USB 3.1 Gen                  |
| Video (GPU)                      | 1 x micro HDMI                   |
| Network                          | 2 x 1 Gigabit RJ-45              |
| Operating Temperature            | oc to soc (32°F to 122°F)        |
| Operating Humidity               | 20%- 85% RH                      |
| Dimensions (8/12 channel Server) | 128.5mm(W) x 39.1mm(H) x 79mm(D) |
| Weight                           | Approx. 350g                     |

| ORDERING INFORMATION |  |
|----------------------|--|
| WA-VADLOT-8          | Wavestore DL Video Analytics Server up to 8 Deep Learning Object Tracking Analytics Channels   |
| WA-VADLOT-12         | Wavestore DL Video Analytics Server up to 12 Deep Learning Object Tracking Analytics Channels or 9 channels with Wavestore Forensics*                                |
| WA-VADLOT-25         | Wavestore DL Video Analytics Server up to 25 Deep Learning Object Tracking Analytics Channels or 11 channels with Wavestore Forensics*<br>NB - 2U Rack Mount Server  |
| WA-VADLOT-80         | Wavestore DL Video Analytics Server up to 80 Deep Learning Object Tracking Analytics Channels or 35 channels with Wavestore Forensics*<br>NB - 2U Rack Mount Server  |
| WA-VADLOT-115        | Wavestore DL Video Analytics Server up to 115 Deep Learning Object Tracking Analytics Channels or 45 channels with Wavestore Forensics*<br>NB - 2U Rack Mount Server |

\*Based on using Deep Learning Object Tracker at 6fps

## Dimensions



## About Wavestore

Wavestore stands as a pioneering force in video management solutions, empowering individuals and businesses with proactive solutions tailored to a dynamically evolving world. With a commitment to addressing customer needs as a first priority, Wavestore is dedicated to restoring productivity through simplified solutions and continual innovation.

Visit [wavestore.com](http://wavestore.com) for more information.

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