



The VDS3010 is developed by ABLOOMY Technologies Inc. Working with ABLOOMY's Wi-Fi cloud platform and probe devices, the VDS3010 collects and stores data from the customer's network or business operation site and performs data analytics and visualization. The standard version of VDS provides four application modules: data collection and storage, data analytics, visualization and LBS. It can be deployed in the customer's premises to protect data privacy. With the LBS-based heat map function, the VDS3010 can help customers to understand the running state of their networks and the real-time distribution of visitors on their business operation sites. Integrated with the IT log services, the VDS3010 can collect and store the log information of IT devices to help troubleshoot IT problems.

## Features

### Local Data Storage

For security-sensitive customers, the VDS3010 can be deployed locally to protect data privacy.

### Data Export

The data stored in the VDS3010 system supports standard API for exporting, which simplifies data transfer to any other 3<sup>rd</sup> party devices or systems.

### Synchronize with ABLOOMY Cloud Platform

The VDS3010 can synchronize the wireless devices' location and group information from the cloud platform, visualizing the status of the network applications comprehensively.

### Integration with Online Big Data

The offline data in the VDS3010 can be integrated with online big data to provide more in-depth data analytics for customers.

### Floor Plan for AP Deployment

The VDS3010 supports floor map importing. According to the physical location, the APs can be deployed to the corresponding position on the map to set up the reference points for LBS.

### Location Based Statistics for visitors

The VDS3010 supports area partitioning on the map, it can collect visitor statistics and visualize their density in each area. Business owners can fine-tune their marketing strategies according to the real-time distribution of visitors in their business operation sites and maximize ROI.

### Heat Map and Path Tracking

The VDS3010 supports a real-time heat map of visitor distribution, visualizing the location of each dense area. It also supports searching for and visualizing the walking path history of each visitor.

### Real-time Status Monitoring

VDS3010 can record and visualize the real-time network access status of users, helping the customer master the operation of the network.

### AP Group Based User Statistics

VDS3010 can also synchronize user groups from the Wi-Fi management platform to attain user statistics. User groups can be defined based on multiple attributes such as network services, locations, and users' roles.

### Visitor Information Statistics

VDS3010 can distinguish between new visitors and existing ones; it can also display the number of new visitors and how often an existing one visits the site during each period.

### Users' Status Information

The VDS3010 can record a user's real-time status including online, offline, user type, phone brand, etc.

## Hardware

Model	VDS3010
<b>Interfaces</b>	2*front-set USB 2.0 2*back-set USB 3.0 2*10/100/1000 Base-T ports 1*VGA port
<b>Dimension</b>	1U
<b>Probes Limits</b>	512
<b>Memory</b>	16G
<b>Hard Disk</b>	2T*2 SATA
<b>CPU</b>	One-process E3
<b>Power Supply</b>	290W, single power supply dedicated for server
<b>Operating Temperature</b>	0°C~40°C (32°F~104°F)
<b>Storage Temperature</b>	-20°C~80°C (-68°F~176°F)
<b>Humidity</b>	10% ~ 90%, non-condensing

## Software

Visitor and User Statistics	Real-time browsing statistics	Log Statistics	Location based AP distribution statistics
	Time based browsing query		Trace of phone number and MAC address
	Distribution statistics of visitors		User state query display
	Peak & Idle statistics		Device upgrade information
	Browsing frequency statistics		Device connection information
	Region based data statistics		Device reboot information
	Location based data statistics		Offline device information
	Device model statistics		LICENSE configuration
	Pseudo MAC filtering		System resource information
User Access Statistics	User statistics	Heat Map	Admin's operation notes
	Access statistics		Download log reports
	Authorized user statistics		Real-time heat map display
	Authentication statistics		Historical heat map display
	New user statistics		Monitor clients online distribution in real-time
Advertisement Statistics	Ads access statistics	Location	Visitors' walking path history
	Ads clicks statistics		AP
	Ads conversion statistics	Deployment	Map import
	Trend chart of Ads traffic		Deploy AP on map
	Access statistics of each Ads		Customize regional division
	Click statistics of each Ads	System Management	Customize area distribution
	Comparison of Ads access in different periods		Account management
	Download Ads statistics report		System backup and recovery
Ads ranking statistics	Data backup and recovery		
Device Statistics	Device based data analysis	System Management	System performance test
	Access ranking		HTTP based Web