

Huawei

# OceanCyber Data Security Appliance





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## Overview

Huawei OceanCyber Data Security Appliance serves as a security engine for data storage, offering a range of capabilities that includes unified security policy configuration and management, ransomware detection and analysis, and defense for data security for various types of storage devices. OceanCyber helps to build a comprehensive ransomware protection storage solution to strengthen the last line of defense for data security.

## Key Features

### Unified Security Management

**Unified access to various types of storage:** Supports OceanStor Dorado all-flash storage, OceanStor hybrid flash storage, OceanProtect backup storage and OceanStor Pacific scale-out storage.

**Security situation presentation:** Offers visualized management and risk alarm display.

**Unified security policy configuration management:** Provides configuration of global anti-tamper and detection policies.

### Detection & Analysis

**99.99% ransomware identification rate\***: Huawei-developed detection and analysis features provide comprehensive ransomware detection capabilities for file systems.

**High performance (50 TiB/hour):** The Snapdiff technology for snapshots greatly improves the detection and analysis performance.

**Backup Copy In-Depth Detection:** identifies whether the original backup copy files on OceanProtect Backup Storage are infected.

### Proactive Defense

**Real-time alarm:** Displays risks such as blocklist interception, abnormal read/write behavior, and file damage.

**Multi-layer recovery:** Supports recovery of multiple types of data and orchestration of recovery tasks in storage systems, including snapshot copy recovery for file systems and shared recovery for clone file systems.

### Storage-network collaboration

**Collaborative handling and recovery:** Network security device exceptions are notified to storage devices in advance to trigger Air Gap link disconnection and blocklist update for file interception.

## Technical Specifications

Specifications	Description	OceanCyber 300 Data Security Appliance
Key Features		
<b>Storage Device Compatibility</b>	Supported device models	OceanStor Dorado, OceanStor hybrid flash storage, OceanStor Pacific, OceanProtect (For details, kindly check Huawei storage interoperability navigator)
	Max. number of connected storage devices	8
<b>Security Situation Display</b>	Ransomware detection report	Supported
<b>Ransomware Detection and Analysis</b>	NAS file system ransomware detection	Supported
<b>Security Isolation</b>	Air Gap policy management	Supported
<b>Security Response</b>	Ransomware event alarm	Supported
<b>Secure Recovery</b>	Unified management and recovery of secure copies	Supported
Performance		
<b>Ransomware Detection Performance of NAS File System</b>	Detection and analysis performance	50 TiB/hr
	Max. detectable file numbers	23 billion
<b>Protected Resource/Copy</b>	Max. number of snapshots	64,000
	Max. number of snapshots per file system	4,096
Management		
<b>Fault/Event Alarm</b>	Alarm/event monitoring, alarm clearance, and alarm reporting	Supported
<b>User Role</b>	System administrator, administrator, and auditor	Supported
<b>System Language</b>	Supported language	Chinese and English
	System language switch	Dynamic switching is supported
Physical		
<b>Port</b>	GE network port x 2; iBMC network port x 1; 10/25GE optical port x 2	
<b>Dimensions (H x W x D)</b>	86.1 mm (2 U) x 447 mm x 790 mm	

\* For further details on specifications, please contact Huawei sales.

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