

Dahua Cloud Storage

Big data, Best choice



Home & SME Cloud Surveillance



Web-based cloud storage and video services, a new profit recourse for SIP

Safe City Cloud Surveillance



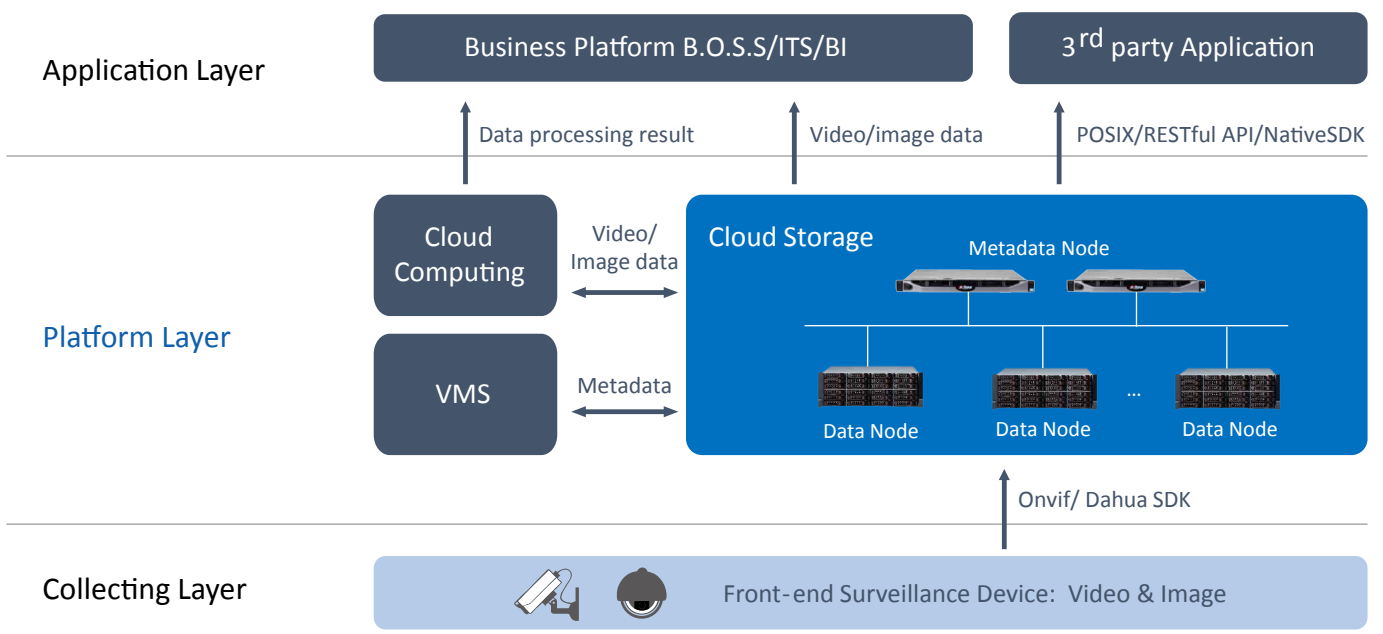
Massive storage capacity with high availability and efficiency

Intelligent Traffic Surveillance



Combined with cloud structured analysis, enabling fast vehicle and individual targeting

System Framework:



Key Features:

Dahua Extremstor cloud storage featuring an object storage architecture that delivers unparalleled performance and linear scalability, is able to meet the requirement of massive data storage and provide a fundamental platform for data mining.

Easy for Surveillance

Store video stream directly, saving the cost for 3rd media server
Advanced key-frame extraction technology, saving the TCO in a long term

High Performance

Achieve full concurrent access to multiple nodes by separating between control flow and data flow, and dynamic load balancing mechanism
High read/write performance with a minimum of 4GB/s bandwidth by 6 nodes, enhancing the capability of video analysis and data processing dramatically

High Reliability

Achieve device-level fault tolerance by means of state-of-the-art erasure coding technology
File-level fault tolerance, extreme recovery speed to 3TB/h

Easy to Expand




Online capacity expansion by simply adding storage node without interrupting business running.
Achieve linear scalability by increasing the read/write performance at the same.

Technical Specifications:

Metadata Server

Model	DHI-CSS5100X	DHI-CSS9064X
Appearance		
Form Factor	1U rack server	1U rack server
Processor	Intel Xeon E3	2x Intel Xeon E5
Memory	32GB ECC	64GB ECC
System Storage	Enterprise SATA, SAS, SSD	Enterprise SATA, SAS, SSD
Network Interface	4x 1Gb Base-T adapter	8x 1Gb Base-T adapter
Power Supply	Single power	Redundant power

Data Node

Model	DHI-CSS7124S	DHI-CSS7136S	DHI-CSS7148S
Appearance			
Form Factor	4U rack server	4U rack server	8U rack server
Processor	Intel Quad-core	Intel Quad-core	Intel Quad-core
Memory	16GB DDR3	16GB DDR3	16GB DDR3
Storage	24 x 2.5"/ 3.5" SATA, SAS Hot-swap	36 x 2.5"/ 3.5" SATA/ SAS Hot-swap	48 x 2.5"/ 3.5" SATA/ SAS Hot-swap
Network Interface	4 x 1Gb Base-T adapter; 2 x 10Gb Base-T adapter or 4 x 1Gb Base-T adapter optional; Port trunking		
Power Supply	Redundant power 200W(without disks)	Redundant power 200W(without disks)	Redundant power 200W(without disks)

* Design and specifications are subject to change without notice.

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