PIXIA HiPER CUBE™-80TB Overview

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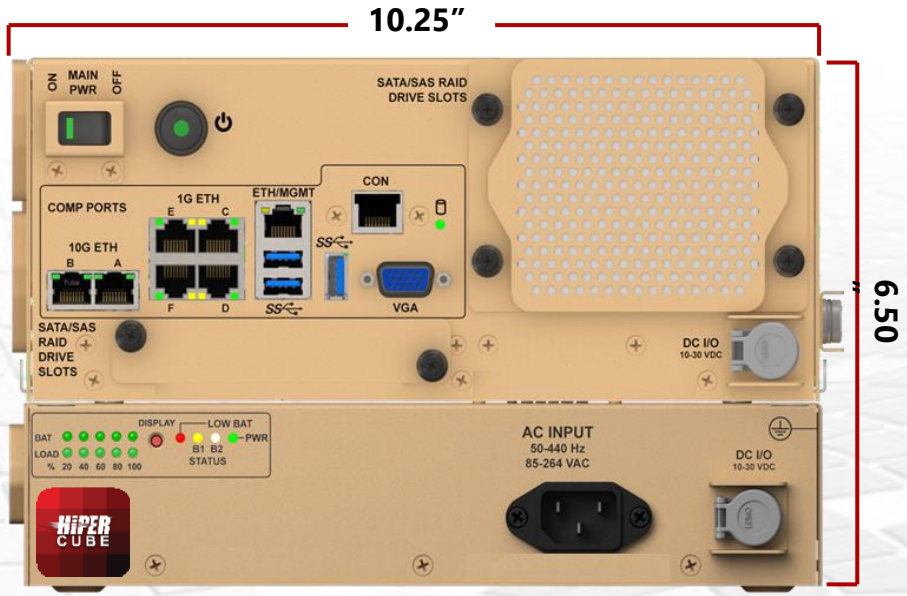
Overview

- HiPER CUBE™ is a hardware and software appliance with the following key features:
  - Low Size, Weight, and Power (SWAP) requirements
  - Ruggedized Hardware
  - PORs and ATOs with USA, SOCOM, USAF and USMC
  - Products designed, manufactured and assembled in the US
  - High reliability, Reboot, and Recovery
  - Rapid Data Access
  - Includes integrated HiPER SYNC™ software for enabling seamless cross-platform interoperability with cloud services (AWS, Azure, etc.)



HiPER CUBE

HiPER CUBEs scaled for higher echelon Ops

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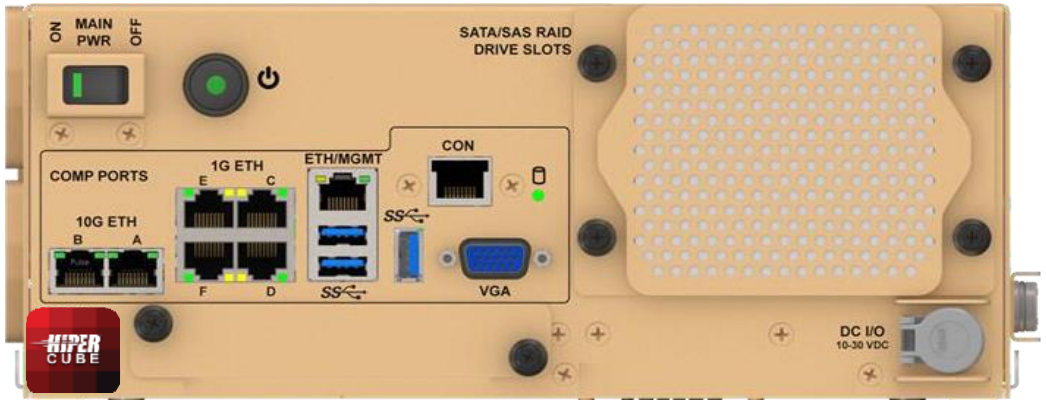
HiPER CUBE™ Specifications: Server



Interfaces
(2) 10 Gb Ethernet ports
(4) 1 Gb Ethernet ports
(1) Gb Ethernet Management Port
(1) RJ45 Console Port
(3) USB 3.0 Ports
(1) VGA port
10–30 VDC output (right side)
10–30 VDC I/O port (exact voltage depends on external factors)

Internal Components
Intel Xeon D 16 cores/32 vCPU
128 GB DDR4 error correcting memory
Battery-backed RAID card
10 SATA/SAS SSD bays
100% VMare Hardware Compatibility List (HCL) compatible
Baseboard Management Controller (BMC) that supports IPMI

Power Specifications	
Power input	10–30 VDC
Power consumption	68.5 W minimum/125 W maximum

Physical Specifications	
Size	4.25"H x 10.25"W x 6.75"D
Weight	7.3 lbs
MTBF	Exceeds 65,700 h
Operating temperature	0ºC to 60ºC
Storage temperature	-40ºC to +70ºC

Certifications	
Trade Act Agreement compliant	
Designed to Meet:	CE MIL-STD-810G MIL-STD-461F RoHS

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HiPER CUBE™-80TB Specifications: Battery Backup

Interfaces
DC I/O port
AC power port
Battery status button
System, battery charge status, and system load LED's
#10/32 grounding lug insert

Physical Specifications	
Size	2.25"H x 10.25"W x 6.75"D
Weight	5.9 lb
MTBF	Exceeds 47,700 hours
Operating temperature	0ºC to 60ºC
Storage temperature	-40ºC to +70ºC

Internal Components
Two Lithium 98 W·H batteries
Lithium ion charger
DC/DC converter
AC/DC converter
Control Logic Interface card

Certifications	
Trade Act Agreement compliance	
Designed to Meet:	MIL-STD-810G MIL-STD-461F RoHS

Power Specifications	
Power input - AC	100–240V AC
Power input - DC	10–30V DC
Power consumption	9.4 W minimum/ 26 W maximum
Battery capacity	196 W·h
System power - AC	175 W maximum
System power - battery	130 W maximum
Pass-through power output	
AC source	+24 VDC @ 4 amps maximum
DC source	+10–30 VDC source matches 10–30 VDC ouput (maximum current depends on the source)
M3-DPS7 source	+24 VDC @ 6.67 amps
Battery source	+~14.4 VDC @ 6.8 amps maximum

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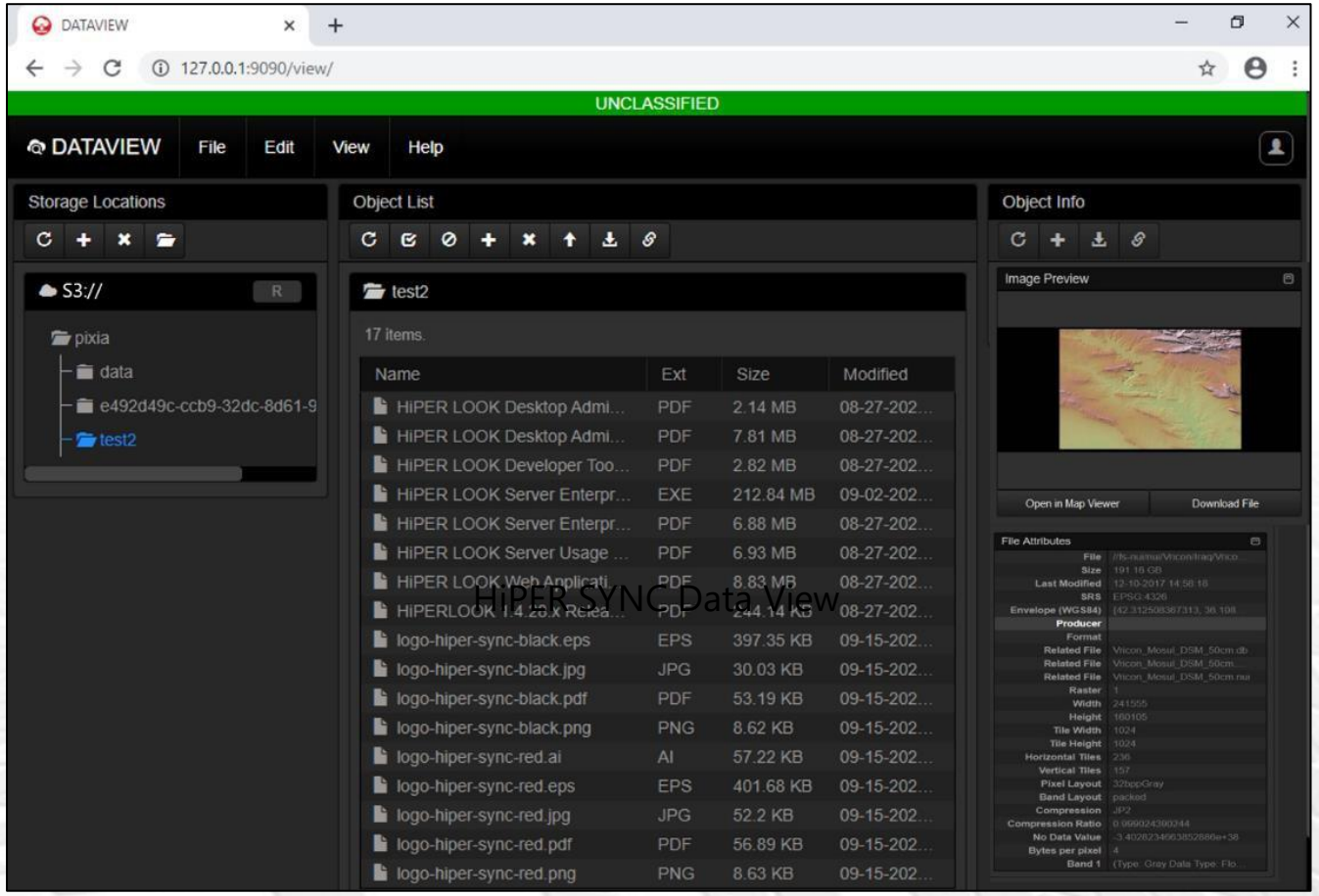
PIXIA's HiPER SYNC™

HiPER SYNC comes standard on the HiPER CUBE system and provides a capability to access multiple storage devices/protocols under a single web-based interface with user access controls. HiPER SYNC can present block storage, network attached storage, and Cloud storage from Amazon, Azure and other Cloud providers or Third Party vendors in a single user interface, allowing users to seamlessly download, upload and delete content.

HiPER SYNC Includes:

- The ability to present block storage or a network attached storage as an S3 endpoint
- Federation with other HiPER SYNC instances
- Simple web-based access to local file systems, Network Attached Storage (NAS) or Cloud storage
- Upload, download and delete functionality with appropriate permissions.
- Ability to grant users 'read-only' or 'read-write' permissions to a subset of folders



HiPER SYNC Data View

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Speed. Interoperability. Proven Technology.