REVOLV
SECURITY BECOMES IT READY

harmonize

Security Becomes IT Ready

REVOLV Hybrid Hyperconverged Infrastructure is the security integrator's answer to the number of constantly evolving demands in the video surveillance and securityindustry. Powered by BCD's Harmonize Software Suite software, REVOLV gives today's security professional a complete answer to the challenges of today and the tests of tomorrow.

Bi-directional, dual port SAS and the latest Intel® Xeon® Silver and Gold series processors paired with up to 192GB of DDR4 RAM guarantees the throughput needed for any project.

Redundant, hot swappable power supplies and RAID 6 storage options provide high system availability and data protection. A pair of M.2 solid state drives for the operating system and applications provide reliability and fast application load times for added performance, while a five-year, on-site, next business day, Keep Your Hard Drive warranty guarantees peace of mind.

KEY FEATURES

- Up to 5.36PB of Raw Storage per DEEPSTOR™
- Intel® Xeon® Silver and Gold Processors
- Windows Server 2019
- HARMONIZE Software Suite
- SSD, SAS & SATA Drives
- Redundant Power
- RAID 6 (SAN Redundancy on DEEPSTOR+™)
- 5-Year Keep Your Hard Drive Warranty

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SYSTEM

Operating System
Windows Server 2019

Memory
24 DDR4 DIMM slots
Up to 12 NVDIMM, up to 12 Intel Optane DC persistent memory

Processor(s)
Up to two 2nd Generation Intel Xeon Gold or Silver

Networking
4x1GbE, or
2x1GbE + 2 10GbE, or
4x10Gbe, or
2x25Gbe

Front Ports
1 x iDRAC USB
1 x USB 2.0
1 x USB 3.0 (optional)
1 x Video

Rear Ports
1 x dedicated iDRAC network port
1 x Serial
2 x USB 3.0
1 x Video

MECHANICAL

Form Factor
1U Rackmount

Rack Support
Sliding Rack Rail with Cable Management Arm

Power Supply(s)
495, 750, 1100, 750 watt Platinum
750W Titanium
48VDC available
Hot plug power supplies with full redundancy option
Up to 8 hot plug fans with full redundancy

Operating Temperature
(Min) 50°F - (Max) 95° F   [(Min) 10°C - (Max) 35° C]

Operating Humidity
5 ~ 90% (non-condensing)

Dimensions (WxDxH)
18.98" (482mm) x 31.8" (808.5mm) x 1.69" (42.88mm), including bezel

Max. Weight
48.3 lbs. (21.9 kg)

Warranty
5-Year, On-site, NBD, Keep Your Hard Drive Warranty

Manufacturer
BCDVideo

STORAGE

Hard Drive Bays - Front
Up to 10 x 2.5" SATA/SAS (HDD/SSD)
Up to 8 NVMe SSD (max 76.8TB) or 10 NVMe (max 64TB)

Hard Drive Bays - Rear
Up to 2 2.5" SAS/SATA, NVMe SSD max 15.36TB

Hard Drives Supported
PCIe NVMe, SAS & SATA

Storage Controllers
PERC H330, H730p, H740p, SWRAID S140
Boot optimized storage subsystem
HWRAID 2 x M.2 SSDs 240GB, 480GB
External PERC (RAID) H840
12Gbps SAS HBAs (non-RAID): external 12 Gbps SAS HBA (non-RAID), internal HBA330 (non-RAID)

GPU Support
Up to 3 single width GPU (NVIDIA T4) or up to 1 FPGA

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