DATASHEET | VIDEO | SYMMETRY POWERPROTECT

SYMMETRY POWERPROTECT
NETWORK VIDEO RECORDER RANGE

The Symmetry PowerProtect range of Network Video Recorders offers a complete lineup of purpose built video servers from micro chassis NVRs with VESA mounting options to enterprise level rack mounts with the flexibility to support both IP and directly connected analog cameras using the Symmetry CompleteView Video Management Software. Hybrid NVR support provides users with a easy migration path from existing analog cameras to IP over time, without the need to repurchase camera software licenses. Symmetry PowerProtect hardware includes 3 or 5 years of software upgrades (matching warranty of NVR) for Symmetry CompleteView camera licenses purchased at the time order with Symmetry PowerProtect NVRs. Symmetry PowerProtect platform offers higher performance and reliability, extending operational capabilities for video surveillance systems.

POWERMICRO
PowerMicro is the smallest form factor in the PowerProtect platform line and is designed to address space constrained deployments. Measuring 7 x 7 x 1.5 the PowerMicro weighs 2.82 lbs and can be placed discreetly on a desktop, mounted under a counter or secured to a video monitor. Powered by an Intel Core i3 processor, 4 GB memory, and a 1 TB hard drive, the PowerMicro NVR is engineered for the rigors of video surveillance applications and offers a unique hardware solution where available space is at a premium. Keyboard, Mouse and Micro Vertical Stand included. Optional mounting accessories include: All-in-One Mount, Console with DVD/RW, VESA Mount, and Dual VESA Mount.

- CPU: Intel Core i3
- Memory: 4 GB
- Network: 1 GbE NIC
- Storage: 1 TB JBOD
- Windows OS: Windows Embedded 7
- Size: Micro chassis (1.42''H x 7.17''W x 6.93''D)
- Power Supply: 65 W
- Warranty Options: 3 and 5 year (basic)

POWERCHOICE
PowerChoice entry-level NVR is built to last. Long term reliability with an Intel Core i3 processor, 4 GB of memory, and video storage ranging from 2 TB to 8 TB offers the perfect balance between value and performance. Supporting up to 32 analog direct connect channels, this hybrid capable NVR supports IP and analog cameras in one mini tower unit. Windows Embedded 7, 6 external USB ports, and 16x DVD+/-RW internal optical drive are standard on every system. Keyboard & mouse included.

- CPU: Intel Core i3
- Memory: 4 GB
- Network: 1 GbE NIC
- Storage: 2 TB - 8 TB JBOD
- Windows OS: Windows Embedded 7
- Size: Minitower (MT) (13.77''H x 6.06''W x 10.78''D)
- Power Supply: 240W - 100 - 240 VAC
- Warranty Options: 3 and 5 year (basic)
- Hybrid Capable: up to 32 direct connected analog cameras

POWERCHOICE LP
PowerChoice LP (Low Profile) entry-level NVR delivers long term reliability with an Intel Core i3 processor, 4 GB of memory, and video storage ranging from 2 TB to 12 TB in a low profile 1U rack mount form factor. Specifically designed for space constrained deployments, the LP supporting up to 32 analog direct connect channels, this hybrid capable NVR supports IP and analog cameras. Keyboard & mouse included. Optional external USB attached DVD-RW (P/N SCV-AEDD) sold separately.

- CPU: Intel Core i3
- Memory: 4 GB
- Network: Dual 1GbE NICs
- Storage: 2 TB – 12 TB JBOD
- Windows OS: Windows Embedded 7
- Size: 1U Rack Mount (1.68''H x 17.09''W x 19.5''D)
- Power Supply: 250W - 100 to 240 VAC auto ranging
- Warranty Options: 3 and 5 year (basic)
- Hybrid Capable: up to 32 direct connected analog cameras

POWERPRO

PowerPro NVR provides industry leading video surveillance built for the rigors of continuous duty operations.   Intel Xeon processor, 8 GB memory with Dual 1GbE NICs deliver the reliability and processing power required by mission critical digital video surveillance. Providing up to 32 analog direct connect channels, this hybrid capable NVR supports IP and analog cameras in a low profile 1U rack mount form factor, with storage configurations from 2 TB up to 24 TB. Keyboard, mouse & rail kit included. Optional external USB attached DVD-RW (P/N SCV-AEDD) sold separately.

- CPU: Intel Xeon
- Memory: 8 GB
- Network: Dual 1GbE NICs
- Storage: 2 TB – 24 TB JBOD
- Windows OS: Windows Embedded 7
- Size: 1U Rack Mount (1.68"H × 17.09"W × 19.5"D)
- Power Supply: 250W - 100 to 240 VAC auto ranging
- Warranty Options: 3 and 5 year (basic)
- Hybrid Capable: up to 32 direct connected analog cameras

POWERPRO-R

PowerPro-R NVR provides industry leading video surveillance built for the rigors of continuous duty operations.   Intel Xeon processor, 8 GB memory with Quad 1GbE NICs deliver the reliability and processing power required by mission critical digital video surveillance. Providing up to 32 analog direct connect channels, this hybrid capable NVR supports IP and analog cameras in one 2U rack mount unit, with storage configurations from 4 TB up to 30 TB (RAID 5). Keyboard, mouse & rail kit included. Optional external USB attached DVD-RW (P/N SCV-AEDD) sold separately.

- CPU: Intel Xeon
- Memory: 8 GB
- Network: Quad 1GbE NICs
- Storage (OS): 2 EA – 500 GB RAID 1
- Storage (Video): 4 TB – 30 TB RAID 5
- Windows OS: Windows Embedded 7
- Size: 2U Rack Mount (3.41"H × 18.99"W × 23.43"D)
- Power Supply: Dual 750W - 100 to 240VAC auto ranging and redundant
- Warranty Options: 3 and 5 year (basic, NBD, or 4HR)
- Hybrid Capable: up to 32 direct connected analog cameras

POWERPLUS

PowerPlus is a 2U rack mount server offering an excellent balance between processing power, storage capacity and redundancy for high performance applications. The hybrid capable PowerPlus provides support for IP as well as up to 64 directly connected analog cameras.

Utilizing Dual Intel Xeon processors, 24 GB of memory, Quad 1GbE NICs, dual hot-plug redundant power supplies, and hot-swap RAID 5 or 6 protected video storage from 4 TB to 30 TB (RAID 5) or 4 TB to 24 TB (RAID 6 with optional hot spares). Keyboard, mouse & rail kit included. Optional external USB attached DVD-RW (P/N SCV-AEDD) sold separately.

- CPU: Dual Intel Xeon
- Memory: 24 GB NICs
- Network : Quad 1GbE
- Storage (OS): 2 EA – 500 GB RAID 1
- Storage (Video): 4 TB - 30 TB RAID 5, 4 TB - 24 TB RAID 6 (optional hot spare)
- DAS Support: Yes (RAID card required P/N: SPDAS-EXT-RAID-G13)
- Windows OS : Windows Server 2012
- Size: 2U Rack Mount (3.41"H × 18.99"W × 23.43"D)
- Power Supply: Dual 750W - 100 to 240VAC auto ranging and redundant
- Warranty Options: 3 and 5 year (basic, NBD, or 4HR)
- Hybrid Capable: up to 64 direct connected analog cameras

POWERULTRA

PowerUltra is a 2U rack mount premium server designed to handle complex video surveillance requirements utilizing highly scalable memory, intensive I/O capacity, and extended storage. The Hybrid capable PowerUltra provides support for IP as well as up to 64 directly connected analog cameras. Utilizing Dual Intel Xeon processors, 32 GB of memory, Quad 1GbE NICs, dual hot-plug redundant power supplies, and hot-swap RAID 5 or 6 protected video storage from 12 TB to 66 TB (RAID 5) or 12 TB to 60 TB (RAID 6 with optional hot spares). Keyboard, mouse & rail kit included. Optional external USB attached DVD-RW (P/N SCV-AEDD) sold separately.

- CPU: Dual Intel Xeon
- Memory: 32 GB
- Network: Quad 1GbE NICs
- Storage (OS): 2 EA – 200 GB SSD RAID 1
- Storage (Video): 12 TB - 66 TB RAID 5
                    12 TB - 60 TB RAID 6 (optional hot spares)
- DAS Support: Yes (RAID card required, P/N: SPDAS-EXT-RAID-G13) Windows OS: Windows Server 2012
- Size: 2U Rack Mount (3.41"H × 18.99"W × 23.43"D)
- Power Supply: Dual 750W - 100 to 240VAC auto ranging and redundant
- Warranty Options: 3 and 5 year (basic, NBD, or 4HR)
- Hybrid Capable: up to 64 direct connected analog cameras

POWERDAS

PowerDAS (Direct Attached Storage) system expands the primary storage capacity of a PowerPlus or PowerUltra NVR. The PowerDAS 2U form factor chassis provides hot-swap RAID 5 or 6 protected video storage from 11 TB to 66 TB (RAID 5) or 8 TB to 60 TB (RAID 6 with optional hot spares). Up to two PowerDAS storage arrays can be daisy-chained to a single server to provide up to 132 TB of expanded storage.

Note: PowerDAS storage arrays connect to PowerPlus or PowerUltra servers using a single Host-RAID Controller Card (P/N: SPDAS-EXT-RAID-G13) per server.

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