SYMMETRY POWERPROTECT
NETWORK VIDEO RECORDER RANGE

Choose from a wide range of Symmetry PowerProtect Network Video Recorders (NVR) engineered for continuous access and durability. The Symmetry PowerProtect NVRs include the option to directly support both analog and IP cameras as a hybrid solution. This capability offers users the option to migrate from existing analog cameras to IP cameras over time, without purchasing third party encoder hardware or repurchasing camera software licenses.

Quickly and accurately design your video system using AMAG's Symmetry CompleteView Design Tool Wizard. The Symmetry CompleteView Design Tool Wizard is available to provide the best NVR options to satisfy the requirement as entered.

Symmetry PowerProtect NVRs arrive with Symmetry CompleteView video software pre-installed with system OS tuned to run optimally as a video surveillance platform decreasing installation and configuration time in the field. In addition, always keep the Symmetry CompleteView software current when purchasing the PowerProtect NVRs from AMAG as yearly software upgrades come at no additional cost for the length of the NVR warranty (3 or 5 years).

POWERMICRO

PowerMicro ultra compact NVR is designed to address space constrained deployments. Measuring 2.01'' x 4.53'' x 4.37'' the PowerMicro weighs ~1.27 lbs and can be placed discreetly on a desktop, mounted under a counter or secured to a video monitor. Powered by an Intel Core i5 processor, 4 GB memory, and a 1 TB or 2 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 and mouse included.

- CPU: Intel Core i5
- Memory: 4 GB
- Storage: 1 TB - 2 TB JBOD
- Network: 1Gbe NIC / 802.11AC
- Windows OS: Windows 10 IoT
- Size: Ultra compact chassis (2.01''H x 4.53''W x 4.37''D)
- Power Supply: External, 65W, 19VDC power adapter
- BTU: 222 BTU/hr
- 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 12 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. Keyboard and Mouse included. Optional external USB attached DVD-RW (P/N SCV-AEDD) sold separately.

- CPU: Intel Core i3
- Memory: 4 GB
- Storage (Video): 2 TB - 12 TB JBOD
- Network: 1 GbE NIC
- Windows OS: Windows 10 IoT
- Size: Tower chassis (13.77''H x 6.06''W x 10.78''D)
- Power Supply: 360W - 90 - 264 VAC
- BTU: 347 BTU/hr
- 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, 8 GB of memory, and video storage ranging from 2 TB to 48 TB in a 1U rack mount space saving chassis. Supporting up to 32 analog direct connect channels, this hybrid-capable NVR supports IP and analog cameras. Keyboard, mouse & rail kit included. Optional external USB attached DVD-RW (P/N SCV-AEDD) sold separately.

- CPU: Intel Core i3
- Memory: 8 GB
- Storage: 2 TB – 48 TB JBOD
- Network: Dual 1GbE NICs
- Windows OS: Windows 10 IoT
- Size: 1U Rack Mount (1.67"H x 17.09"W x 23.50"D)
- Power Supply: 250W - 100 to 240 VAC auto ranging
- BTU: 1039 BTU/hr
- 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, 16 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 48 TB. Keyboard, mouse & rail kit included. Optional external USB attached DVD-RW (P/N SCV-AEDD) sold separately.

- CPU: Intel Xeon
- Memory: 16 GB
- Storage: 2 TB – 48 TB JBOD
- Network: Dual 1GbE NICs
- Windows OS: Windows 10 IoT
- Size: 1U Rack Mount (1.67"H x 17.09"W x 23.50"D)
- Power Supply: 250W - 100 to 240 VAC auto ranging
- BTU: 1039 BTU/hr
- 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, 16 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 60 TB (RAID 5). Keyboard, mouse & rail kit included. Optional external USB attached DVD-RW (P/N SCV-AEDD) sold separately.

- CPU: Intel Xeon
- Memory: 16 GB
- Storage (OS): 2 EA – 1 TB RAID 1
- Storage (Video): 4 TB – 60 TB RAID 5
- Network: Quad 1GbE NICs
- Windows OS: Windows 10 IoT
- Size: 2U Rack Mount (3.42"H x 18.98"W x 28.17"D)
- Power Supply: Dual 1100W - 100 to 240VAC auto ranging and redundant
- BTU: 4100 BTU/hr
- 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, 32 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 60 TB (RAID 5) or 4 TB to 48 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 NICs
- Storage (OS): 2 EA – 1 TB RAID 1
- Storage (Video): 4 TB - 60 TB RAID 5; 4 TB - 48 TB RAID 6 (optional hot spare)
- DAS Support: Yes (RAID card required)
- Network : Quad 1GbE NICs
- Windows OS : Windows Server 2016 Standard Embedded
- Size: 2U Rack Mount (3.42"H x 18.98"W x 28.17"D)
- Power Supply: Dual 1100W - 100 to 240VAC auto ranging and redundant
- BTU: 4100 BTU/hr
- Warranty Options: 3 and 5 year (basic, NBD, or 4HR)
- Hybrid Capable: up to 64 direct connected analog cameras

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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 Intel Xeon Gold processor, 48 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 132 TB (RAID 5) or 12 TB to 120 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: Intel Xeon Gold
- Memory: 48 GB
- Storage (OS): 2 EA – 200 GB SSD RAID 1
- Storage (Video): 12 TB - 132 TB RAID 5; 12 TB - 120 TB RAID 6 (optional hot spares)
- DAS Support: Yes (RAID card required)
- Network: Quad 1GbE NICs
- Windows OS: Windows Server 2016 Standard Embedded
- Size: 2U Rack Mount (3.42''H x 18.98''W x 28.17''D)
- Power Supply: Dual 750W - 100 to 240VAC auto ranging and redundant
- BTU: 2891 BTU/hr
- Warranty Options: 3 and 5 year (basic, NBD, or 4HR)
- Hybrid Capable: up to 64 direct connected analog cameras

POWERPLATINUM

PowerPlatinum is a 2U rack mount premium server designed to handle the most demanding IP Video surveillance requirements utilizing highly scalable and extended storage options, maximum I/O throughput, and robust processing capability, making it ideally suited for intensive digital video processing. Utilizing Intel Xeon Gold processor, 96 GB of memory, dual 10GbE + dual 1GbE NICs, dual hot-plug redundant power supplies, and hot-swap RAID 5 or 6 protected video storage from 60 TB to 192 TB (RAID 5) or 24 TB to 168 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: Intel Gold Xeon
- Memory: 96 GB
- Storage (OS): 2 EA – 480GB SSD RAID1
- Storage (Video): 60 TB - 192 TB RAID 5; 24 TB - 168 TB RAID 6 (optional hot spares)
- DAS Support: Yes (RAID card required)
- Network: Dual Port 10GbE BASE-T & Dual Port 1GbE BASE-T
- Windows OS: Windows Server 2016 Standard Embedded
- Size: 2U Rack Mount (3.42''H x 18.98''W x 28.17''D)
- Power Supply: Dual 750W - 100 to 240VAC auto ranging and redundant
- BTU: 2891 BTU/hr
- Warranty Options: 3 and 5 year (basic, NBD, or 4HR)

VALUEDAS

ValueDAS (Direct Attached Storage) system economically expands the primary storage capacity of a PowerPlus or PowerUltra NVR. The PowerDAS 2U form factor chassis provides hot-swap RAID 5 protected video storage from 11 TB to 110 TB. Up to two ValueDAS storage arrays can be daisy-chained to a single server to provide up to 220 TB of expanded storage. Warranty Options: 3 and 5 year (basic).

Note: ValueDAS storage arrays connect to PowerPlus, PowerUltra or PowerPlatinum servers using a Host-RAID Controller Kit (P/N: SVDAS-ACDD when connecting 1 EA ValueDAS or P/N: SVDAS-ACDD2 when connecting 2 EA ValueDAS) per server.

POWERDAS

PowerDAS (Direct Attached Storage) system expands the primary storage capacity of a PowerPlus, PowerUltra or PowerPlatinum servers. The PowerDAS 2U form factor chassis provides hot-swap RAID 5 or 6 protected video storage from 22 TB to 110 TB (RAID 5) or 16 TB to 100 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 220 TB of expanded storage. Warranty Options: 3 and 5 year (basic, NBD, or 4HR)

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

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