

March Networks® **Command Professional Bundles** deliver our open architecture IP video management solution in several server and storage offerings that scale in performance to best match your organization's system requirements. These Command Recording Server (CRS) bundles combine powerful and robust platforms, powered by Dell®, with pre-installed March Networks Command™ video management software and pre-configured direct attached storage (DAS) arrays. Ordered directly from March Networks, each offering is tested and certified out of the box for plug-and-play operation and optimum performance.



### SCALABLE VIDEO STORAGE

Designed with performance, scalability and ease of deployment in mind, our DAS video storage offering is available in four highly reliable configurations. In addition to being used directly with the Command Recording Server offering, these Serial Attached SCSI-based arrays can be daisy-chained together to increase video archive retention.

### ENTERPRISE MANAGEMENT

For medium to large-sized deployments, a Command Enterprise Server Bundle is available to ensure enterprise-class system management and health monitoring. The server offering comes pre-installed with March Networks Command Enterprise Server software, providing you with a single interface to manage your entire video surveillance infrastructure.

### BUNDLED BENEFITS

Our Command Application Bundles offer several advantages over separate, unbundled IP video solutions. They provide organizations with a standardized, pre-loaded and manufacturer-certified solution that also has a one-stop ordering and support process.

### AN INTEGRATED SOLUTION

- Pre-installed Operating System (OS)
- Pre-installed Command Recording Server software
- Pre-tested, certified storage solution

This integrated approach frees technical staff from the need to install and configure Microsoft® OS and video management software, saving your organization time and reducing deployment costs. Simply:

- Install equipment into a standard 19" server rack
- Plug in network and accessory cables, then connect power
- Configure the final Command software settings (cameras, users, storage, etc.) and the installation is complete

### THE HARDWARE OF YOUR CHOICE

Our open VMS solution supports a wide range of third-party IP edge devices including the latest high-megapixel and high-definition models. The solution provides enterprise-class functionality when connected to March Networks devices, such as Shadow Archiving™, edge recording and synchronization, as well as device mass management.

### KEY FEATURES

- Support for up to 128 video channels
- Recording of up to 256 Mb/s of video data
- Support for up to 3840 fps across all channels
- Operating system pre-installed
- Command Recording Software pre-installed
- Pre-configured storage array offerings
- Factory certified server configurations
- 3-year, next business day, onsite hardware support

### PART NUMBERS

- 32495 CRS 128 G2 Server, 12TB available storage
- 32497 CRS 128 G2 Server, 20TB available storage
- 32496 CRS 128 G2 Server, 28TB available storage
- 32498 CRS 128 G2 Server, 42TB available storage
- 32505 CRS 128 G2 Server SATA Drive, 4TB
- 32506 CRS 128 G2 Server SATA Drive, 6TB
- 32508 Secondary redundant power supply
- 30606 Additional Gig-E network interface
- 32507 CRS 128 G2 DAS Storage Expansion Card
- 32499 DAS Storage G2 24TB
- 32501 DAS Storage G2 36TB
- 32500 DAS Storage G2 48TB
- 32502 DAS Storage G2 72TB
- 32503 DAS Storage G2 Near-Line SAS Drive, 4TB
- 32504 DAS Storage G2 Near-Line SAS Drive, 6TB

## Command Professional Bundles

### SYSTEM REQUIREMENTS

<b>Operating System</b>	Microsoft Windows 8.1 Industry Pro
<b>Hard Drive Configuration</b>	SATA, Hot Swappable, RAID-5
<b>Video Archive Capacity</b>	Up to 42TB effective (after RAID-5), expandable using PN 32507
<b>Processor</b>	Intel Xeon E5-2600 v3 product family
<b>Memory</b>	8 GB RAM (2 x 4GB)
<b>Video Output</b>	1 VGA
<b>Optical Drive</b>	No

### VIDEO

<b>Supported Command Version</b>	Lite, Professional, Enterprise
<b>Max IP Channel Inputs</b>	128
<b>Channel Licenses</b>	Not included
<b>Recording Rate</b>	256 Mb/s across 128 channels
<b>Image Rate</b>	3840 fps across 128 channels (30 fps/ch)
<b>Video Compression Support</b>	H.264, MPEG-4, MJPEG
<b>Local Control</b>	No
<b>Expandable Storage Interface</b>	Optional DAS storage expansion card (PN 32507)
<b>Network</b>	4 x 1GbE Ethernet (4 x RJ-45)
<b>Concurrent Remote Users</b>	20

### SOFTWARE STORAGE

<b>Internal Hard Drives</b>	4 – 8 x 3.5" HDDs
<b>Individual Drive Capacity</b>	4TB and 6TB
<b>Total Storage Capacity</b>	RAID-5 12/20/28/42TB
<b>Drive Type</b>	Serial ATA (SATA)

### PHYSICAL

<b>Dimensions (DxWxH)</b>	25.43 x 18.99 x 3.41 in. / 64.6 x 48.24 x 8.66 cm
<b>Mounting</b>	2U high, 19" rack mount
<b>Max. Weight</b>	62 lbs / 28.2 kg
<b>Rack Rails Type</b>	Ready Rails

### ENVIRONMENTAL

<b>Operating Temperature</b>	50° to 95°F / 10° to 35°C
<b>Humidity</b>	10 – 80% Relative humidity (non-condensing)
<b>Storage Conditions</b>	-40° to 149°F / -40° to 65°C

### ELECTRICAL

<b>Power Supply</b>	Single hot-swappable, dual-redundant optional with 32508
<b>Power Consumption</b>	495W

### REGULATORY

<b>Regulatory Compliance</b>	CE, FCC, ICES-003, cULus, TUV-GS, NEMKO, C-Tick
<b>Warranty</b>	3-year Professional Support and next business day onsite service

*Solution tested with 128 x 2 Mb/s ONVIF channels recording continuously, and simultaneous streaming of 60 live streams and 20 playback streams to clients.*

## External Storage Options

External storage options provide enterprise-class reliability with optional RAID-5 or RAID-6 hard drive configurations and redundant fans and power supply. Both the hard drives and power supplies are hot-swappable. The storage array comes in four different configurations and has up to a 72TB effective recording capacity in a 2U rack mount chassis. It connects directly to a CRS 128 G2 via a SAS cable (requires DAS Storage Expansion Card – PN 32507).



### SPECIFICATIONS

<b>Platform</b>	2U
<b>Hard Drives</b>	4TB and 6TB Near-Line SAS
<b>Drive Bays</b>	12 hot-swap 3.5" HD
<b>Video Storage Redundancy</b>	Configurable RAID-5 and RAID-6 options
<b>Usable Storage</b>	24TB, 36TB, 48TB, 72TB configurations
<b>Expandable SAS Interface</b>	Yes (cable included)
<b>Power Supply</b>	600 Watt
<b>Power Cable Type Included</b>	C13 to C14, PDU Style, 12 AMP, 2 Feet (.6m)
<b>Redundant Power Supply</b>	Yes
<b>Fans</b>	Redundant
<b>Max BTU Output</b>	2047 BTU/hr
<b>Operating Environment</b>	50° to 95°F / 10° to 35°C
<b>Rack Rails Type</b>	Ready Rails
<b>Chassis HxWxD (w/out ears and bezel)</b>	3.39 x 18.8 x 29.1 in. / 8.7 x 48.2 x 54.1 cm
<b>Weight</b>	Up to 63.03 lbs / 28.6 kg
<b>Regulatory Compliance</b>	CE, FCC, ICES-003, cULus, TUV-GS, NEMKO, C-Tick
<b>Warranty</b>	3-year Professional Support and next business day onsite service

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