



Enterprise NVR Servers

D-XX-xTB

The D-1X and D-2XR enterprise servers are developed on Dell EMC infrastructure and designed to provide the flexibility, performance and scale needed to support the high camera counts, megapixel resolutions, high frame rates and long retention times demanded by the industry. Optimized to work with Ganz® CORTROL Series Surveillance software.

Features:

- RAID-6 and JBOD Network Video Recorder (NVR) servers for up to 128 channels
- Advanced Intel® Xeon® 10 Core / 20 thread processor & chipset optimized for HD video
- Internal HDD configurations from 12TB to 48TB
- Matrox G200eW3 16MB video adapter with VGA output
- 16GB of RDIMM 2666MT/s memory
- iDRAC9 Express
- Pre-installed with 64bit Windows® Server 2016 OS on mirrored solid-state drives
- Advanced cooling system ensures optimal performance & long-term reliability
- Built in DVD-RW for high speed archiving

D-XX-xTB

Enterprise NVR Servers



Models

JBOD Server - up to 128 IP Cameras and DVD Writer		RAID-6 Server - up to 128 IP Cameras and DVD Writer	
D-1X-12TB	(+/-) 128 IP Cameras, 12TB JBOD, & DVD-RW	D-2XR-12TB*	(+/-) 128 IP Cameras, 12TB RAID-6, & DVD-RW
D-1X-24TB	(+/-) 128 IP Cameras, 24TB JBOD, & DVD-RW	D-2XR-24TB*	(+/-) 128 IP Cameras, 24TB RAID-6, & DVD-RW
D-1X-32TB	(+/-) 128 IP Cameras, 32TB JBOD, & DVD-RW	D-2XR-32TB*	(+/-) 128 IP Cameras, 32TB RAID-6, & DVD-RW
D-1X-48TB	(+/-) 128 IP Cameras, 48TB JBOD, & DVD-RW	D-2XR-48TB*	(+/-) 128 IP Cameras, 48TB RAID-6, & DVD-RW

*Note: that the RAID information itself will occupy a certain amount of space on the array. For example, with 8*2,000GB disks in a RAID 6 array, the total array size will be 12,000GB, 11,175GB of which will be usable.

Specifications

D-1X-xTB	D-1X-xTB - Intel® Xeon®	D-2XR-xTB - Intel® Dual Xeon® RAID-6
Power Supply	Dual, Hot-plug, redundant power supply (1+1), 750W	
Form Factor	2U Chassis with up to 8 x 3.5" SAS/SATA Hard Drives	
Cooling System	2x 120mm front fans, 2x 80mm top fans	
Operating System	Windows Server 2016 (64 Bit) on dedicated mirrored solid-state drive	
NIC	Broadcom 5720 Quad Port 1GB network daughter card	
DVD/CD RW	Front panel access	
Storage (SATA-3Gb/s-7200 RPM)	12TB ~ 48TB internal	Hot Swap 12TB ~ 48TB internal
Graphics Card	Matrox G200eW3 16MB Video Adapter with VGA output	
CPU	(1) Intel Xeon Silver 4114 2.2G, 10C/20T, 9.6GT/s, 14M Cache, Turbo, HT (85W) DDR4-2400	(2) Intel Xeon Silver 4114 2.2G, 10C/20T, 9.6GT/s, 14M Cache, Turbo, HT (85W) DDR4-2400
RAM	16GB 2666MT/s RDIMMs	
Dimensions (W x D x H)	18.98" x 26.72" x 3.42" / 482.0 mm x 678.8 mm x 86.8 mm	
Rails	ReadyRails sliding rails with cable management arm	
Additional	Includes keyboard and mouse	

IP Camera Capacity Chart

All specifications are subject to change without notice.

Camera	Resolution	Channels	IPS	Bit Rate Per Channel
D1	704x480	128	30	1.8Mbps
0.9 Megapixels	1280x720	56	30	4.5Mbps
2.1 Megapixels	1920x1080	25	30	10Mbps
3 Megapixels	2048x1536	16	30	15.2Mbps
5 Megapixels	2592x1944	10	30	24.2Mbps

**Chart assumes the following: IP cameras utilizing H.264 compression, running RAID-6, 30 days, Continuous, NVR client not running on server. Performances may vary based upon camera & motion settings. Call for custom configurations.

Warranty

Description	Standard ProSupport (3 Year)	Optional ProSupport Plus (5 Year)
Technical support access	24x7	24x7
Hardware repair service delivery	Onsite Next Business Day	Onsite Next Business Day
Self-service case management and parts dispatch through TechDirect	x	x
Direct access to in-region ProSupport engineers	x	Priority Access
Priority access	x	x
Single resource for software and hardware expertise	x	x
Command Center monitoring and crisis management	x	x
Software support with collaborative 3rd party assistance	x	x
Case management API for helpdesk integration	x	x
Automated issue detection, notification and case creating by SupportAssist	x	x
Accidental damage repair for drops, spills and surges		x
Retention of hard drive after replacement		x

**For warranty and technical support details, go to ganzsecurity.com/dell-emc