TeraStation™ 7120r Enterprise
Enterprise-Class NAS & iSCSI Storage

TeraStation 7120r Enterprise offers high performance, enterprise-class 12-drive NAS and iSCSI storage packed with advanced features and functions, ideal for businesses that need a reliable RAID-based network storage solution for large networks and business critical applications.

Featuring the powerful Intel® Xeon® E3-1275 quad-core processor, 8 GB of DDR3 RAM and enterprise-class hard drives, TeraStation 7120r Enterprise provides exceptional performance during file transfers and everyday NAS functions.

- Intel® Xeon® processor E3-1275 (3.40 GHz quad-core)
- 8 GB DDR3 RAM (Scalable to 16 GB)
- 12-bay 2U rack mountable (24 - 96 TB)
- 12 enterprise-class SATA hard drives (72 TB model includes HGST Ultrastar He^6 helium-filled HDDs for storage space efficiency)
- Buffalo Surveillance Video Manager (1 license, scalable up to 50 cameras)
- Quad Intel NICs
- 10 GigE NIC Support
- 6 x USB 2.0 ports
- Redundant hot plug PSUs and fans
- 2 x PCI-Express expansion slots
- Hot-swap & Hot spare
- RAID 0/1/5/6/10/51/61/JBOD (Individual Disks)

- TeraStation NAS System
- Active Directory support
- DFS Namespace support
- Share quota support
- Real-time replication to other TeraStation NAS devices
- Simultaneous NAS and iSCSI target functionality
- Failover Support
- VMware® Certified, Citrix® Ready and works with Hyper-V®
- Remote file access via WebAccess and FTP/SFTP
- Sliding rail kit included (4-post)
- NovaBACKUP Business Essentials v14 – 10 licenses (SQL and Exchange backup agents)

![BUFFALO PERFORMANCE MATTERS]

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PRODUCT FEATURES

RELIABLE AND SECURE
TeraStation 7120r Enterprise offers high capacity, highly available storage accessible among multiple platforms for seamless centralized storage and backup. Create user and group profiles and control folder and file access to protect business critical content and privacy. Support for multiple levels of RAID provides continuous data protection and increased fault tolerance and data availability.

DATA PROTECTION AND BACKUP
TeraStation 7120r Enterprise features RAID replication technology providing real-time synchronous replication of data for easy, continuous data protection in the event of data loss.
TeraStation 7120r Enterprise is bundled with 10 licenses of NovaBACKUP® Business Essentials v14, providing a complete, all-in-one data protection solution for PCs, storage servers, Exchange servers and SQL databases.

SUPERIOR PERFORMANCE
TeraStation 7120r Enterprise features 12 enterprise-class hard drives the Intel Xeon E3-1275 processor, providing exceptional performance during file transfers and everyday NAS functions.
• Quad-core | 8 MB cache, 3.40 GHz

STORAGE VIRTUALIZATION
Configure TeraStation 7120r Enterprise as an iSCSI target to add affordable virtualized storage to your business network. Storage virtualization serves to decrease IT spending by maximizing the resources offered by modern servers while providing affordable server scalability and reliability. A virtualized environment removes a significant amount of server dependence, shifting the burden to the storage devices.

REMOTE FILE ACCESS
TeraStation 7120r Enterprise offers multiple ways to remotely access and share your important data for enhanced collaboration and productivity. With WebAcce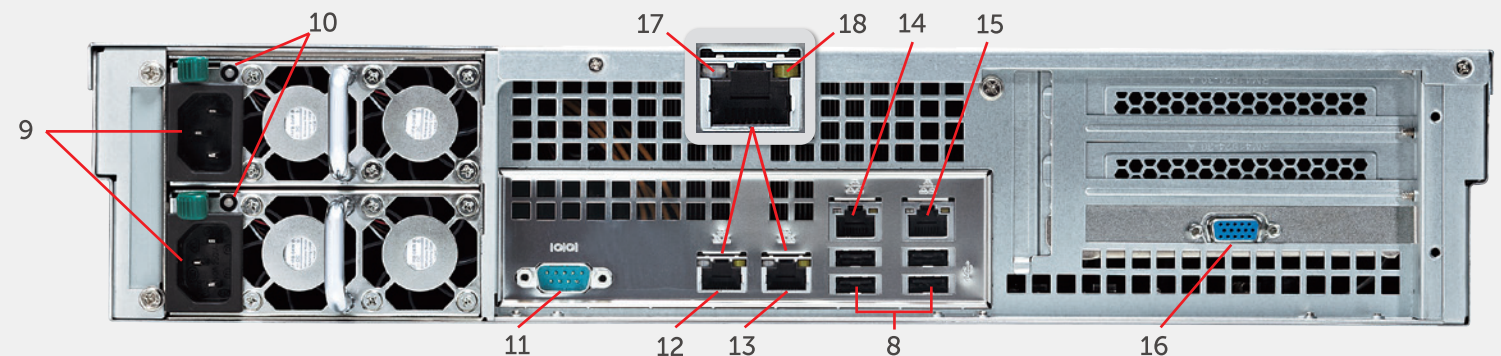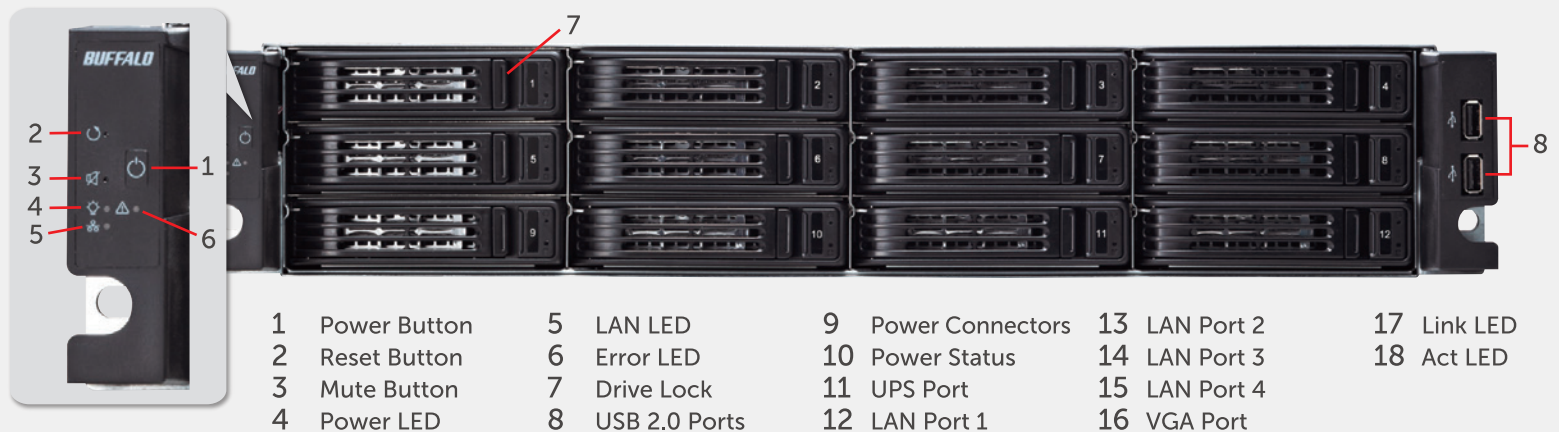ss and FTP/SFTP servers, you can securely access and share files with anyone outside the local network. Trusted recipients can access selected files from anywhere over the Internet, and with WebAccess files can also be accessed remotely from a tablet or smartphone.

SURVEILLANCE VIDEO MANAGEMENT
TeraStation 7120r Enterprise offers a video surveillance asset management platform that allows you to record high quality video and store and manage it for easy access and playback. Surveillance Video Manager provides advanced features and helps you manage and store camera feeds, enabling playback of live and stored video with support for any RTSP IP-based video camera.

HELUIM-FILLED HARD DRIVES
Exclusive to the 72 TB model, HGST Ultrastar He6 helium-filled hard drives help to improve efficiency and enable system storage capacity expansion while maximizing storage space utilization for reduced total cost of ownership. Additionally, the Ultrastar He6 helium-filled drives run 30% quieter than typical enterprise HDDs.

1	Power Button	5	LAN LED	9	Power Connectors	13	LAN Port 2	17	Link LED
2	Reset Button	6	Error LED	10	Power Status	14	LAN Port 3	18	Act LED
3	Mute Button	7	Drive Lock	11	UPS Port	15	LAN Port 4		
4	Power LED	8	USB 2.0 Ports	12	LAN Port 1	16	VGA Port		

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PRODUCT SPECIFICATIONS

LAN INTERFACE
Standard Compliance:	IEEE802.3/IEEE802.3u/IEEE802.3ab
Data Transfer Rates:	10/100/1000 Mbps (Auto Sensing)
Connector Type:	RJ-45
Number of Ports:	4

INTERNAL HARD DRIVES
Number of Drives:	12 x 3.5" HDD
Hard Drive Capacities:	2 TB, 3 TB, 4 TB, 6 TB, 8 TB (HGST Ultrastar He^6)*
Total Capacity:	24 TB, 36 TB, 48 TB, 72 TB, 96 TB
Drive Interface:	SATA II/III 3 Gbps
Supported RAID Levels:	RAID 0/1/5/6/10/51/61/JBOD (Individual Disks)

USB INTERFACE
Interface	USB 2.0
Number of Ports:	6 Type A
Data Transfer Rates:	480 Mbps (USB 2.0)
Expansion Slots:	PCI-Express x8 slot x 1
	PCI-Express x4 slot x 1

PROTOCOL SUPPORT
Networking:	TCP/IP
File Sharing:	CIFS/SMB, AFP, HTTP/HTTPS, FTP/SFTP/FTPS, NFS
Directory Integration:	LDAP, Active Directory
Management:	HTTP/HTTPS
Time Synchronization:	NTP

BOX CONTENTS
TeraStation 7120r Enterprise (TS-2RZHD), Setup CD-ROM, Ethernet Cable, AC Cable (2), 4-Post Rackmount Rails, Quick Setup Guide, Warranty Statement

24/7 TECH SUPPORT | 3 YEAR WARRANTY
(866) 752-6210 | USA & Canada Only

OTHER
Power Consumption:	250W (Maximum)
Dimensions (LxWxH):	29 x 18.9 x 3.46 in
Weight:	60.4 lbs
Operating Environment:	41-104°F (5-40°C), 20-80% (non-condensing)
Power Supply:	Internal AC 100-240V Universal, 50/60Hz
Setup Utility OS Support:	Windows® Operating Systems
Client OS Support:	Windows® 8.1 (32-bit/64-bit), Windows® 8 (32-bit/64-bit), Windows® 7 (32-bit/64-bit), Windows® 7 Professional (64-bit), Windows Vista® (32-bit/64-bit), Windows® XP, Windows® 2000, Windows Server® 2012, Windows Server® 2012 R2, Windows Server® 2008, Windows Server® 2008 R2, Windows Server® 2003, Windows® 2000 Server, Mac OS® X up to 10.10

REPLACEMENT PARTS & ACCESSORIES
Enterprise HDDs:	2 TB: ST2000NM0011, WD2003FYYS, OP-HD2.0ZH-3Y
	3 TB: HUS724030ALA640, OP-HD3.0ZH-3Y
	4 TB: HUS724040ALA640, OP-HD4.0ZH-3Y
	6 TB: HUS726060ALA640/HUS726060ALA641, OP-HD6.0ZH-3Y
Memory:	OP-MEM-8GX2
Replacement Fan:	OP-FAN-2RZ
Power Supply:	OP-PU-2RZ
PCI-Express Cards:	IFC-PCIE2U3, IFC-PCIE2U3S2
PCI-E 10GbE Adapters:	Emulex: OCe11102-N, OCe11102-I, OCe11102-F Intel:X540T2, E10G42BtDA, E10G41BFSR, E10G42BFSR, E10G41AT2
5-Year Enhanced Warranty:	EWNBD01

UPS RECOMMENDATION
APC Smart Series:	Smart-UPS 1500VA or greater
	Smart-UPS On-Line 1500VA or greater
Eaton Powerware Series:	Eaton 5115 Rack-Mount, 500-1500VA

Buffalo recommends a minimum of 20 minutes of run time or greater

AVAILABLE MODELS
TS-2RZH24T12D,   TS-2RZH36T12D,   TS-2RZH48T12D,   TS-2RZH72T12D, TS-2RZH96T12D*

Cables and Mounting Screws

4-Post Rackmount Rails

TeraStation 7120r Enterprise