

NetFlight™

How BIG Data Travels

Features/Benefits:

- 687MB/sec transfer speed on NetFlight-10; 110MB/sec transfer speed on NetFlight-1
- Custom protocol overcomes latency and packet loss allowing optimal use of 1 and 10 Gigabit networks
- Available real-time AES256 encryption
- MD5 checksums ensure end-to-end integrity
- Supports multiple storage types, including DAS, SAN, and NAS
- Supports multiple filesystem types, including XFS, StorNext®, and OneFS®

NetFlight™ is a groundbreaking product poised to revolutionize BIG data transport and storage access. NetFlight™ utilizes a proprietary WAN transfer protocol that enables greater degrees of enterprise collaboration than ever before. It allows customers to move data at previously unheard-of speeds, accelerating workflows and eliminating file transfer bottlenecks.

NetFlight™ facilitates high-speed file transfers between sites via 1 or 10 gigabit links. NetFlight™ ensures 100% error-free data transfer at stable data rates up to 687MB/sec over long distance connections that often exhibit high latency or packet loss. NetFlight™ removes traditional bottlenecks related to protocol and latency; the only limitations are storage and network bandwidth constraints.

NetFlight™ revolutionizes existing workflows by moving files eight to ten times faster than existing data transfer technology. Using a 10 GigE network over a 20,000 kilometer link, it could take nearly 4 days to transfer 125GB of data with traditional FTP methods. Using NetFlight™, the same transfer would take only a few minutes. The NetFlight™ appliance supports many existing SAN, DAS, and NAS filesystems and storage devices already in use. NetFlight™ provides fast, easy, reliable transfer of all file types, with optimizations for sequential frame-based media, over high-speed network connections.

As the need for high-speed global collaboration between *multiple points along the creative and technical pipeline* grows, NetFlight™ presents solutions to critical challenges by **enabling rapid movement of BIG data.**

NetFlight™ maximizes staff productivity and enables faster project completion by reducing the time required to transfer data between storage pools. In addition to time savings, NetFlight™ makes LAN, MAN, or WAN data transfer reliable and predictable. NetFlight™ is designed to specifically meet the most demanding needs of professionals, addressing the problems associated with long-distance transport of huge volumes of data.



Talon
DATA SYSTEMS



NetFlight™

SYSTEM ATTRIBUTES	NetFlight-LT	NetFlight-1	NetFlight-2	NetFlight-10
Maximum Transfer Rate	250 Mb/s • 30 MB/s	900 Mb/s • 110 MB/s	1,600 Mb/s • 200 MB/s	5,500 Mb/s • 687 MB/s
LAN Interface	1000Base-TX		1000Base-TX / 10GbE (SX)	
WAN Interface	1000Base-TX		10GbE (SX) (LX optional)	
Storage Interface	NAS, FibreChannel (opt.)	FibreChannel, NAS		
CPU	Intel® Core™		Intel® Xeon®	
Chassis	1RU Appliance		2RU Appliance	
On-the-fly Encryption	AES256			
SAN Filesystem Support	StorNext®, CXFS™			
NAS Filesystem Support	NFS / Optimizations for Isilon OneFS®			
DAS Filesystem Support	XFS			
File Format Support	Any file format. Appliance is image sequence aware.			
Upgradability	N/A	Up to NetFlight-10		N/A
User Interface	Web UI, Command Line, Signiant			

Simple Chart of Performance for NetFlight-10 at 600MB/s

TIME TO USEABLE DATA FOR A 1TB TRANSFER

TRANSFER TIME FOR 60 MIN OF FOOTAGE

NetFlight™

28

MINUTES

TYPE:

HD
(1080p/24)
8.3MB/frame

2K DCI
(2048 x 1080)
8.8MB/frame

2K
(2048 x 1556)
12.8MB/frame

OVER A 10Gb CONNECTION

100 Mbps WAN

24 HOURS

TIME:

20

MINUTES

22

MINUTES

31

MINUTES

Overnight Freight

12-72 HOURS

Talon Data Systems, Inc. • T/888.661.6898 • F/818.763.9292 • 4605 Lankershim Blvd., Suite 340 • North Hollywood, CA 91602 • www.netflight.tv

©2007-2012 Talon Data Systems, Inc. All rights reserved.
NetFlight is a trademark of Talon Data Systems, Inc. Other brand and product names are trademarks of their respective holders.
Information is subject to change without notice.