

Fast, Smart, Secure, and Reliable Open Architecture Systems

Value-added third-party software can be added to any system: Cybersecurity, Machine Learning for Data Validation and Analysis, Advanced Encryption

Network interface options are not all-inclusive and can be customized

Network capabilities include: NFSv4, NFSv3, CIFS/SMB, PCAP, FTP, TCP, UDP, IP

Ampex Product	Features & Benefits	Size/ Weight	Speed	Max Storage	Built-In Interfaces	Optional Interfaces	Security
 TuffServ 640	Highest Speed Largest Capacity	470 in ³ 7.63"H x 4.88"W x 12.63"D 30 lbs	1,900 MB/ sec	96 TB+	2x 10 Gig-E 1x Gig-E Serial	4x 10 Gig-E Video sFPDP 1553B GPS, IRIG-B	✓ AES 256 bit FIPS 197 FIPS 140
 TuffServ 540	Highest Speed w/ the Lowest SWaP Radiation Tolerant Option	105 in ³ 2.9"H x 4.25"W x 8.5"D 10lbs	900 MB/sec	16 TB	2x Gig-E	10 Gig-E sFPDP 1553B	✓ AES 256 bit FIPS 197
 TuffServ 480v2	Optimized for Speed & RF Signal Capture (Radar, EW, SIGINT) Uncompressed Video	381 in ³ 5.25"H x 7.25"W x 10"D 17.5 lbs	800 MB/sec	32 TB	2x Gig-E	10 Gig-E Video sFPDP 1553B GPS, IRIG-B	✓ AES 256 bit FIPS 197 FIPS 140
 TuffServ 282	Dual Removable Memory Module & New NSA Commercial Encryption (CSfC)	475 in ³ 9"H x 4.8"W x 11.0"D 14.6 lbs	300 MB/sec	16 TB+ 512 GB (2 modules)	4x Gig-E Fibre Channel IPFC	N/A	✓ AES 256 bit FIPS 197 FIPS 140 CSfC
 TuffCORD	MIL-STD Ruggedness Lowest Cost Video Version (Uncompressed & Compressed)	109 in ³ 3.6"H x 4.8"W x 6.3"D 5.5 lbs	250 MB/sec	8 TB	2x Gig-E	4x Gig-E Video 1553B GPS, IRIG-B High-speed Serial GPIO	✓ AES 256 bit FIPS 197 FIPS 140
 miniRv2	Network File Server Optimized for Flight Test w/ External "Slice- based" Interfaces	99 in ³ 3.5"H x 4.125"W x 6.82" D 74 oz	1 Gbits/s (1,000 Mb/s)	2 TB	1x Gig-E Fast Ethernet	Fully expandable "Slice-based" system supports a multitude of interfaces	✓ AES 256 bit FIPS 197
 AMux	External "Slice- based" DAU Network Multiplexer	105 in ³ 2.9"H x 4.25"W x 8.5"D 39 oz	1 Gbits/s (1,000 Mb/s)	Network Multiplexer	1x Gig-E Fast Ethernet	Fully expandable "Slice-based" system supports a multitude of interfaces	N/A
 CAR	Lowest Cost Expendable NAS Perfect for Attributable Systems (UAS, Decoys, Missiles)	59 in ³ 1.8"H x 4.8"W x 6.8"D 2 lbs	200 MB/sec	2 TB	2x Gig-E USB-C (Download) Audio GPS	Video 1553B ARINC 429 High-speed Serial GPIO	N/A

Performance specifications are based on Ampex measurements, other use cases may vary.