



Advanced Test Equipment Rentals
www.atecorp.com 800-404-ATEC (2832)

DASH 32HF

32 CHANNEL HIGH FREQUENCY DATA RECORDER

- ✓ **500 kHz sample rate per channel directly to hard drive**
- ✓ **100 kHz bandwidth for each channel**
- ✓ **Dedicated 250 GByte hard drive for capturing data**
- ✓ **Gbit Ethernet, USB 2.0 and DVD for exporting data to your PC**
- ✓ **Compact, lightweight and portable design**
- ✓ **Link ports for synchronizing data capture between systems**



Astro-Med, Inc.
TEST & MEASUREMENT PRODUCT GROUP

Measurement has never been this easy

SPECIFICATIONS

General

Sample Rate	500 kHz
Bandwidth	100 kHz
Input Type	Differential, DC coupled
Differential Inputs	32
Max Rated Input	+/-50 VDC (35 VRMS)
Anti-Aliasing Filter	4 pole Bessel
Input Resolution	16-bit
Differential Input Connector	25-pin D-sub male connectors (4 per unit, 8 Channels per connector)
Event Inputs	8 (TTL)
Pre and Post-capture Filter Isolation	Low, high, band and stop pass filtering
Minimum Input Impedance	>250 kΩ
Frequency Counter	Yes, on Channels 1 & 17

Recording

Operational Modes	Scope, Review, Real-time (strip-chart)
Recording Method	Internal 250 GByte disk drive, optionally removable (HS Version)
Maximum Sample Rate	500,000 samples/second per channel (500 kHz)
Minimum Sample Rate	100 samples/second per channel (100 Hz)
Data Stored	Raw (unfiltered) data saved to the drive
Time Stamp	Time and Date automatically saved with data
Events	Stored with data
Trigger Point	Amount of pre and post trigger is user adjustable (0-100%)
Auto Re-Arm	Automatic stacking of captures

Power

Input Voltage Range	102 to 264 VAC
Frequency Range	47 Hz to 63 Hz
Power Consumption	150W maximum

Color Display

Type	Active matrix color LCD (TFT)
Viewing Area	15.0 inch (diagonal)
Resolution	1024 x 768
Touch	Full screen, resistive

Interface

Ethernet	10/100/1000BaseT
DVD	Supports archive of data to CD-R, CD-RW, DVD-R, DVD+R & DVD+RW
VGA	For displaying data on an external monitor
USB 2.0	For connecting external hard drives, Flash Drives, etc.
Link Ports	For synchronizing data capture for multiple systems

Physical

Enclosure	Aluminum, with armored end caps
Dimensions	12.125" H x 16.0" W x 6.628" D (not including handle)
Weight	22.5 lbs.

Environmental

Operating Temp	5 to 40°C (40 to 105 °F)
Operating Humidity	10% to 90% non condensing

Compliance

Safety	EN 61010-1:2001, UL 61010A-1, CSA C22.2 No. 1010.1-92
EMC	FCC Part 15, Subpart B, Class A, EN 61326
Power Harmonics	IEC1000-3-2

10/100/1000 BaseT Ethernet for fast data transfer and host control

USB 2.0 for data archiving and connecting external peripherals

8 TTL (0-5 V) logic channels

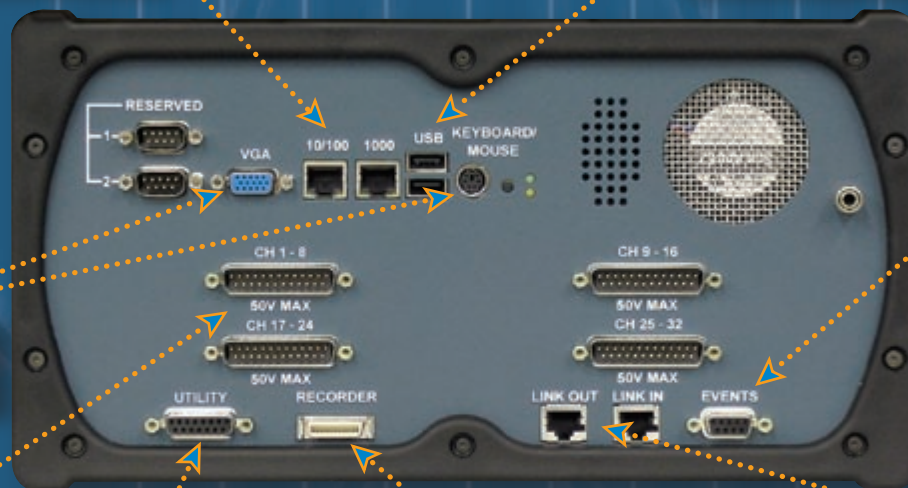
VGA and keyboard/mouse port allow easy test stand integration

32 analog input channels

Utility port for I/O interface

Chart recorder port (Chart recorder available soon!)

Link ports to synchronize data capture between multiple units



AI [®] **Astro-Med, Inc**
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Astro-Med is system certified to ISO9001.