CMG-CD24S3EAM

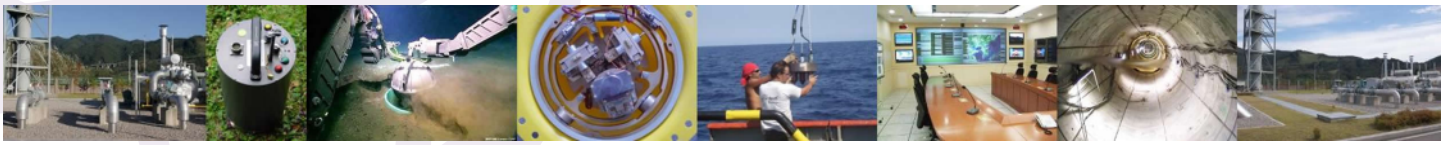
Low Power Aquisition Module

The CMG-CD24S3EAM is a cost-effective, low-power acquisition module with an integrated three channel digitiser suitable for seismic research, vulcanology, civil engineering and many other applications. The Linux-based acquisition module offers remote monitoring and control, with unparalleled flexibility.

The CMG-CD24S3EAM combines the well-regarded CD24 digitizer and a CMG-EAM embedded acquisition module to form a low-power unit with on-board and external storage options, a convenient web-based user interface and multi-protocol communications over serial and Ethernet connections.

Key Features:

- Robust and waterproof
- Up to 256 GB of on-board Flash memory storage
- Optional unlimited external USB mass storage
- Data recording in GCF or miniSEED formats
- Fast data download over Ethernet or USB
- Configuration via serial or Ethernet: command-line or web
- Full network security suite, including HTTPS and firewall, allows direct, permanent connection to the Internet.
- Powerful, flexible Linux operating system



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Specifications

CMG-CD24S3EAM

CD24 Digitiser

ADC converter type	*5th-order single-bit low pass Δ-Σ*
Output format	*24-bit*
Dynamic range	*130 dB @ 40 samples/s*
Absolute accuracy	*<1%*
Output rates available	*1 to 1000 samples per second*
	See CD24 datasheet for full specifications

EAM

Communication technologies supported	*Serial, Ethernet, ppp*
Configuration/control interface	*Web browser, terminal-based menus, Linux command line*
Seismic protocols	*Scream! (Antelope/Earthworm), SEEDLink or CD1.1*
Direct disk recording formats	*GCF, miniSEED*
Data storage	*16 GB Flash memory storage as standard (up to 256 GB option)*
	See EAM datasheet for full specifications

Physical / Environmental

Operating temperature range	*–20 to +75 °C*
Materials	*Die cast aluminium case, O-ring seals throughout*
Dimensions	*160 x 160 x 90 mm*
Power supply	*10 – 28 VDC*
Current at 12 V DC	*220 mA (with GPS)*
Calibration controls	*Remotely controlled amplitude/frequency adjustable sine wave, step or broadband noise*