

DRA Series

Data Recording and Processing Unit

Ultra-High-Speed Data Collection, Processing, and Storage



DRA Series data recorders turbocharge your systems with industry-leading ultra-high-speed reliable broadband data recording power. With customizable input interfaces and scalable storage configurations, DRA Series technology provides the best capabilities for your many different data collection, recording, and storage requirements. And all DRA Series devices are Made in Japan, ensuring factory supply chain production security to meet industry, government, and defense cybersecurity and privacy standards.

Up to 30 GB/s Speed Guaranteed by Dedicated Hardware Processing

DRA Series devices provide ultra-high-speed and stable operation up to 30 GB/s by NVMe control and parallel data read/write using dedicated hardware, ensuring accurate and complete data recording. And recorded data can be played back swiftly and repeatedly by selecting any desired data sections.

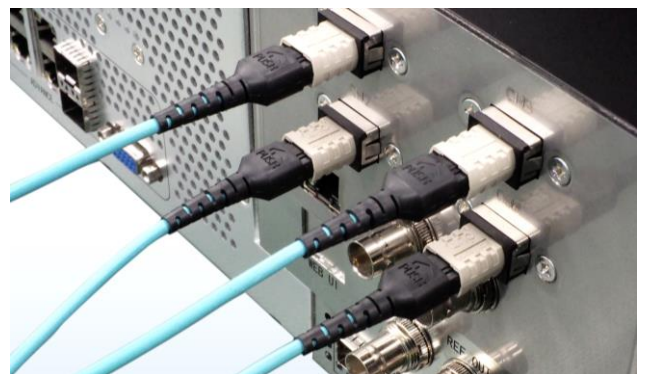


Customizable I/O Interfaces

In addition to industry-standard interfaces, the type, number of channels, and transmission protocols can be customized to meet your requirements.

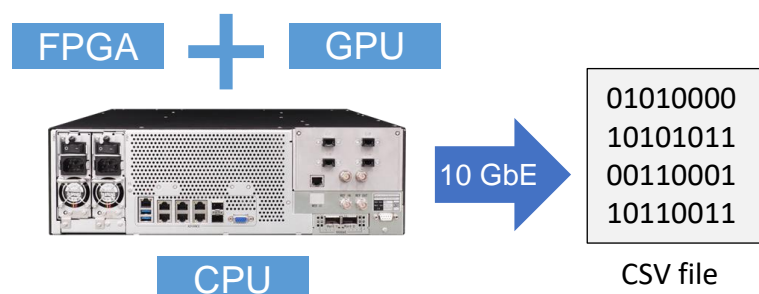
Standard built-in interfaces:

- Serial FPDP(ANSI/VITA 17.3-2018)
- Aurora 64B/66B v1.3 ~ 12.5Gbps
- CXP-12/6x CXP-12
- GPS, Sensors for temperature, humidity, etc. (GPIO/SPI)



Support for Data Acquisition, Recording, and Analysis Processing

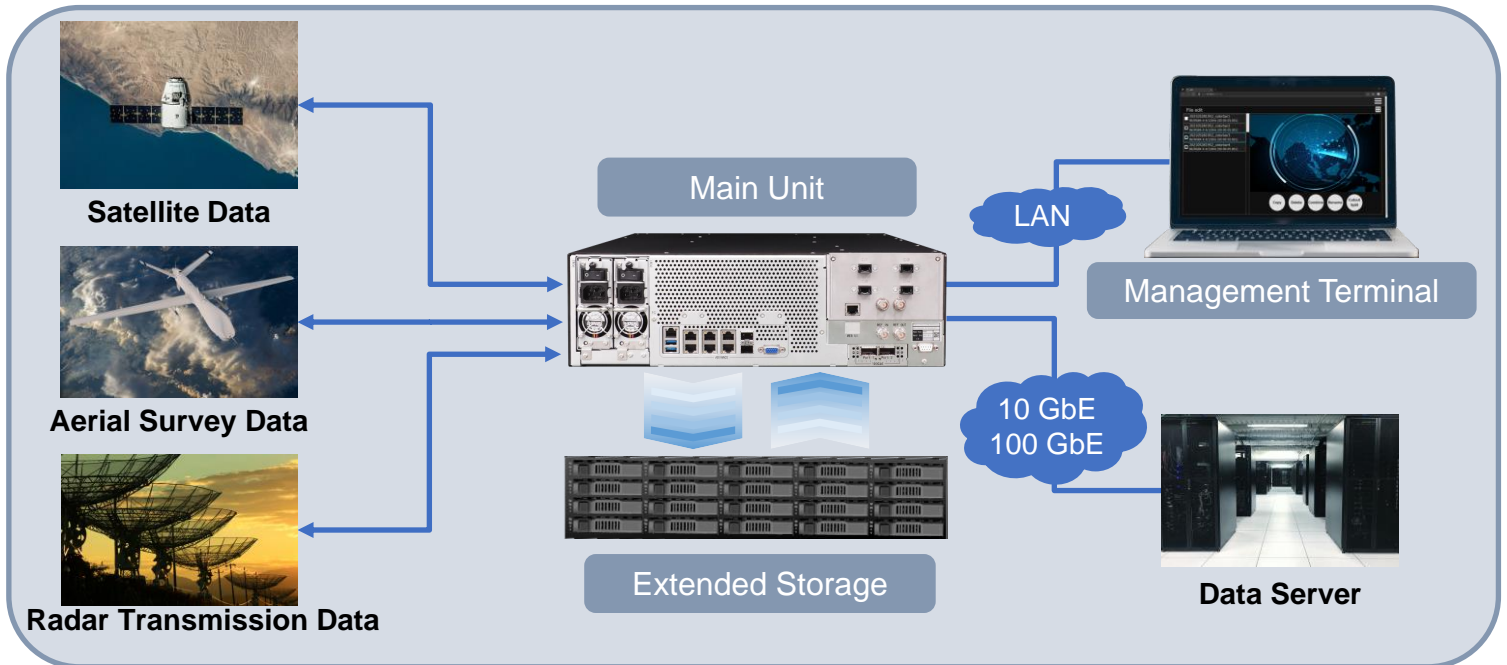
Our DRA Series devices include hardware for data acquisition and recording plus dataset processing and analysis. Analysis results can be linked to an external server by transferring files using 10 GbE. Our NCS team can also provide analysis processing services upon consultation.



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Applications

DRA series is designed for recording and playback of ultra-high data rate, multi-channel, and multi-type data such as 5G/6G wireless communications, satellite, aerial survey, and radar transmissions. Recorded data can be managed with the standard installed monitoring and control screen and input/output to/from external storage via 100 GbE.



Certifications

Our DRA Series data recorders provide secure and reliable performance in the most challenging and confidential environments, making them the ideal solution for a wide range of applications. We can also provide optional custom builds to meet military standard specifications and encryption requirements.



Specifications

Storage

Number of memory units	-MEM3 : 3 Units	-MEM4 : 4 Units	-MEM6 : 6 Units
Storage capacity	46 TB	60 TB	92 TB
Maximum data rate (stable operation)	15 GB/s (120 Gbps)	20 GB/s (160 Gbps)	30 GB/s (240 Gbps)

Interface

External data interfaces	Optical x 24, BNC coaxial cable x 16 (customizable)
Supported protocols	Serial FPDP, Xilinx Aurora, CXP-12, JESD204B (for ADC), Interlaken

General information

Dimensions, Weight, & Power Consumption	132 (H) x 482 (W) x 540 (D) mm, 19 kg, 700W (Typ.)
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Specifications and design are subject to change without notice.

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