

Data Processing Units Standard and Compact

Product Datasheet



- High-performance computers for managing hyperspectral data
- Available in standard and compact (airborne) versions
- 1TB solid state storage
- Interfaces: CameraLink, USB (2.0 & 3.0), Ethernet, VGA, HDMI
- Several available software packages

PRODUCT DATA SHEET

Compact HDPU	
Processor	Intel 2.4GHz quad-core i7
Software	Hyperspec® III (Linux and Windows compatible)
Memory	8 GB DDR3-DRAM
Storage	1 TB 2.5" SATA6 Solid-State-Drive
Power	+14 to +30 VDC; Less than 90W
Interfaces	VGA, TTL trigger input/output, USB 2.0; USB 3.0 (2), RS-232 serial, Gigabit Ethernet (2), CameraLink (4) (base or full)
Dimensions (cm)	21.08 w x 17.3 d x 16.2 h
Weight (kg)	2.8



Standard HDPU	
Processor	Intel 4.2 GHz quad-core i7 7th Gen
Software	Hyperspec® III (Windows 10)
Memory	8 GB DDR4-SDRAM
Storage	1 TB 2.5" SATA III Solid-State-Drive
Power	+90 to +265 VAC; Less than 300W
Interfaces	RS-232, HDMI. FRONT: USB 2.0 (3); REAR: USB 2.0 (2); USB 3.0 (4), Gigabit Ethernet (2), CameraLink (2) with remote trigger (base or full)
Dimensions (cm)	22.2 w x 27.6 d x 17.6 h
Weight (kg)	4.1



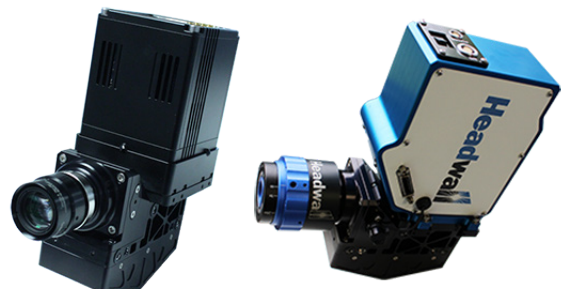
Headwall's HDPUs are designed for the mission. The Standard HDPU is designed for lab and ground applications where weight and size are not crucial. The Compact version is for a range of airborne uses, including certain UAVs.

Each Data Processing Unit contains a full complement of interfaces for both input and output. Each is also loaded with mission-specific application software (for example, airborne or machine vision versions) that add capabilities aligned with those areas.

Please consult Headwall for more information about these software options.

Micro-Hyperspec®

- VNIR
- Extended VNIR
- NIR
- SWIR



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Manufactured by Headwall Photonics, distributed in the UK and Ireland by **analytik**.