

Helios® DAS X4

Dual channel, rack mount intensity system



Parameter	Feature	Value
Environmental	Operational Temperature	0 to +50°C
	Humidity	Humidity 80% RH for temperatures up to 31°C (87.8°F) non-condensing
Mechanical Hardware	Size including rear cable guards, excluding handles (height x depth x width)	90mm (2U) x 580mm x 430mm (19") - excluding connectors
	Weight	13Kg unboxed
Interfaces	Data Storage	Built in 1TB data storage capacity (not removable or replaceable) External storage via USB storage device or 10Gbe data streaming output
	Storage Options	Internal storage expanded to 4 or 8 TB
	Communications	1Gbe, RJ45 primary ethernet comms port, minimum 1Mbps required for upstream data view 10Gbe, RJ45 data streaming port Service port interfaces:- HDMI RJ45 ethernet service port 2 x USB type A
Sensing Cable Length	Maximum length on each channel	50 km*
Optical	Fibre Type (Typical)†	Single mode 15xx nm ITU G652 series and G657 series. Works with most variants of G655 and G656 and may work with other fibre types, please consult Fotech technical for approval.
	Pulse Lengths	2, 3, 5, 10, 20, 50 m
	Spatial Sampling Interval	0.67 m
	Interface	2 x E2000 APC optical connectors
Energy Consumption	Voltage, Frequency	22-25V DC or 90V to 305V AC, 47 to 63Hz (using approved PSU)
	Power	165W (Typical)

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Frequency Information	Minimum Detection Frequency	1 Hz
	Maximum Detection Frequency	20 kHz (at 2.5km of cable length)
	Maximum Frequency Response	5 km cable = 10 kHz 20 km cable = 2.5 kHz 40 km cable = 1.25 kHz 50 km cable = 1.0 kHz

*With a one way optical loss of up to 10 dB. Range is dependent upon quality of fibre, local environment, and the specific detection streams required. †Other fibre types considered.



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Get in Touch

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