



## Connect | Condition | Acquire

### Key Features

- 4U Rack Mount Milled Aluminium Chassis
- 8x Dragonfly Module Slots for 8-64 Input Channels
- LVDS, IRIG A/B, IEEE 1588<sup>(optional)</sup> Synchronisation
- 6-36V DC (30W max)
- Passive Cooling
- Compatible with all HGL Dragonfly, Eagle & Hummingbird systems

# Hummingbird Modular



## Data Acquisition Base Module

### Connect

#### Dragonfly Module Slot

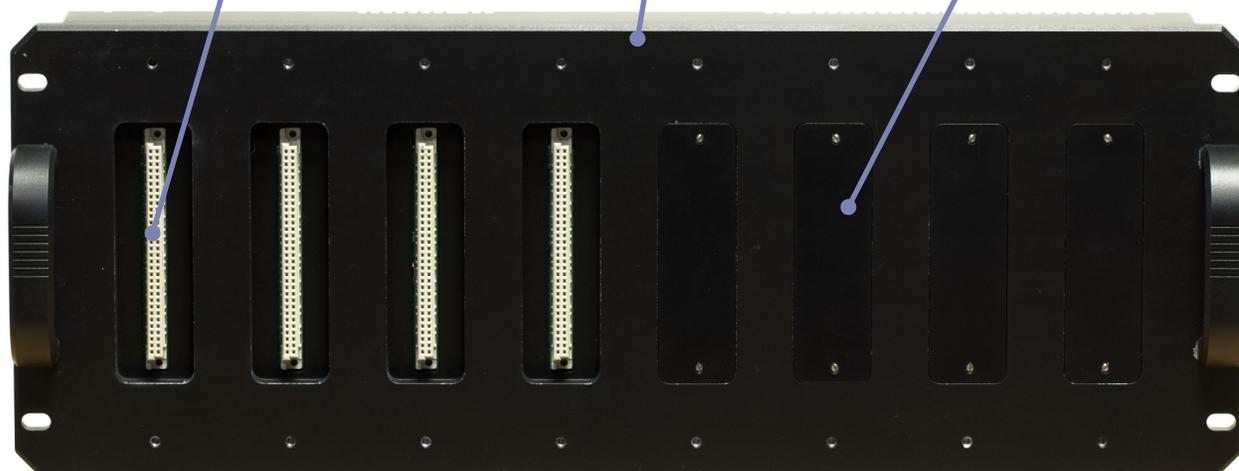
DIN 41612 Connector  
Polarised for Simple Insertion

#### Rugged Chassis

Milled Aluminium Hard

#### Blanking Plate

Protection for Unused Slots



Channels 1-8 9-16 17-24 25-32 33-40 41-48 49-56 57-64

#### External CAL

Calibration Input

#### IRIG A/B

Synchronisation



#### HGL LVDS

Synchronisation

#### HGL Power I/O

1x Fischer 4-Pin  
2 x Fischer 2-pin

#### BLACK Network

Switched for daisy chaining



## Data Acquisition Base Module

### Specification

#### General

Dimensions (W x H x D):	480 x 175x 40 mm
Weight:	5.7 kg (typical)
Supply Voltage:	6-36V DC (
Power:	12.0W max (base only), 30W max (with 8 modules)

#### Input Configuration

Input Slots	8
Module Type:	HGL Dragonfly Modular 8-channel
Channel Numbers	Fixed based on Slot Location

#### Synchronisation

IRIG A/B	< +/-01uS via rear mounted BNC
IEEE1588:	< +/-100nS via BLACK Ethernet
HGL LVDS:	< +/-50nS within unit
	External Connectors for multi-unit sync

#### Environmental

On-board Sensors:	Temperature, Pressure, Vibration
Operating Temp.:	-10 to 50°C
Storage Temp: -	-40 to 85°C
Relative Humidity:	< 90% RH non condensing





## Data Acquisition Base Module

### Training

#### Training

HGL Dynamics offers a wide variety of training workshops and courses. Workshops are conducted at one of our global offices or at the client's site by our training team, all of whom have many years' of industry experience and knowledge.

Typical training courses include: Vibration Fundamentals, Signal Processing, Rotating Machinery, Advanced use of HGL Software and Analysing Large Datasets.



### Information

#### About HGL Dynamics

HGL Dynamics is a world-leading supplier of services and high specification equipment for the integrated capture, monitoring, analysis, storage and management of high bandwidth data.

#### Purchasing & Availability

The HGL Dynamics Dragonfly<sup>Modular</sup> Data Acquisition Module is now available for purchase or lease. Please contact one of our HGL Dynamics offices below for further information or to request a quote.

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