Basler dart M

A camera based on the modular principle

The dart M camera is a modular, board level camera with GigE interface that adapts to the installation situation of your application: based on the camera module, you can put together a modular camera that meets your requirements and obtain an easy-to-integrate, cost-efficient camera.
The sensor on the camera module, distance between sensor and Ethernet socket, power supply, and lens mount can all be flexibly selected.

Modular
Camera configuration according to individual requirements

GigE interface
Enables long cable lengths and multi-camera setups

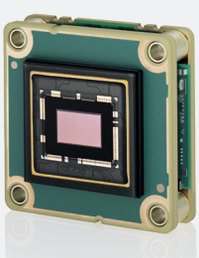
Compact and lightweight
Board level design offers small size and reduced weight

Top price/performance ratio
Maximum flexibility and quality at a low price

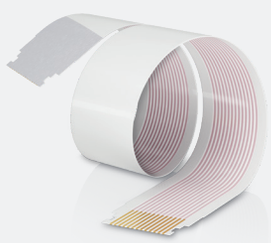
For more information, please visit
baslerweb.com/dart-m

The dart M building block

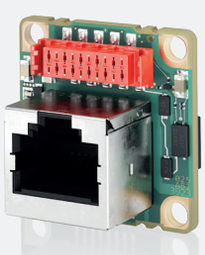
Camera module – Get the camera module with proven sensors from Sony's Pregius series. To easily integrate the camera module into your application, continue with the selection of further components. If you would like to develop your own, the camera module can also be integrated into your own electronics via the provided FFC connector.



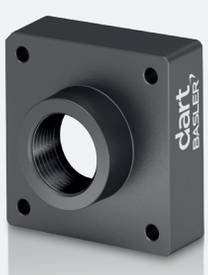
Flat flex cable (FFC) – Connect the camera module and interface board (or your own electronics) using a 5 cm, 15 cm, or 30 cm flat flex cable. This separation saves space at the image acquisition location and allows you to flexibly decide on the orientation of the interface board or your own electronics.



Interface board – If you decide to use the GigE standard RJ45 plug, you have two interface boards to choose from: either the one-cable solution via PoE (Power over Ethernet) or the two-cable solution via AUX power to connect the camera from the interface board to the host system.



Lens mount – You can use the camera module as a bare board version or choose between the lens connections: S-, CS-, and CS-mount with IR cut filter. The camera is space-saving both without (27 mm x 27 mm at 10 g) and with lens mount (29 mm x 29 mm at 15 g).



Camera Model	Sensor	Resolution [H×V pixels]	Resolution [MP]	Sensor Type	Shutter	Frame Rate [fps]	Pixel Size [µm²]	Optical Size
dmA720-290gm/gc	IMX287	720 × 540	VGA	CMOS	Global	290	6.9 × 6.9	1/2.9"
dmA1440-73gm/gc	IMX273	1140 × 1080	1.6	CMOS	Global	73	3.45 × 3.45	1/2.9"
dmA1920-51gm/gc	IMX392	1920 × 1200	2.3	CMOS	Global	51	3.45 × 3.45	1/2.3"