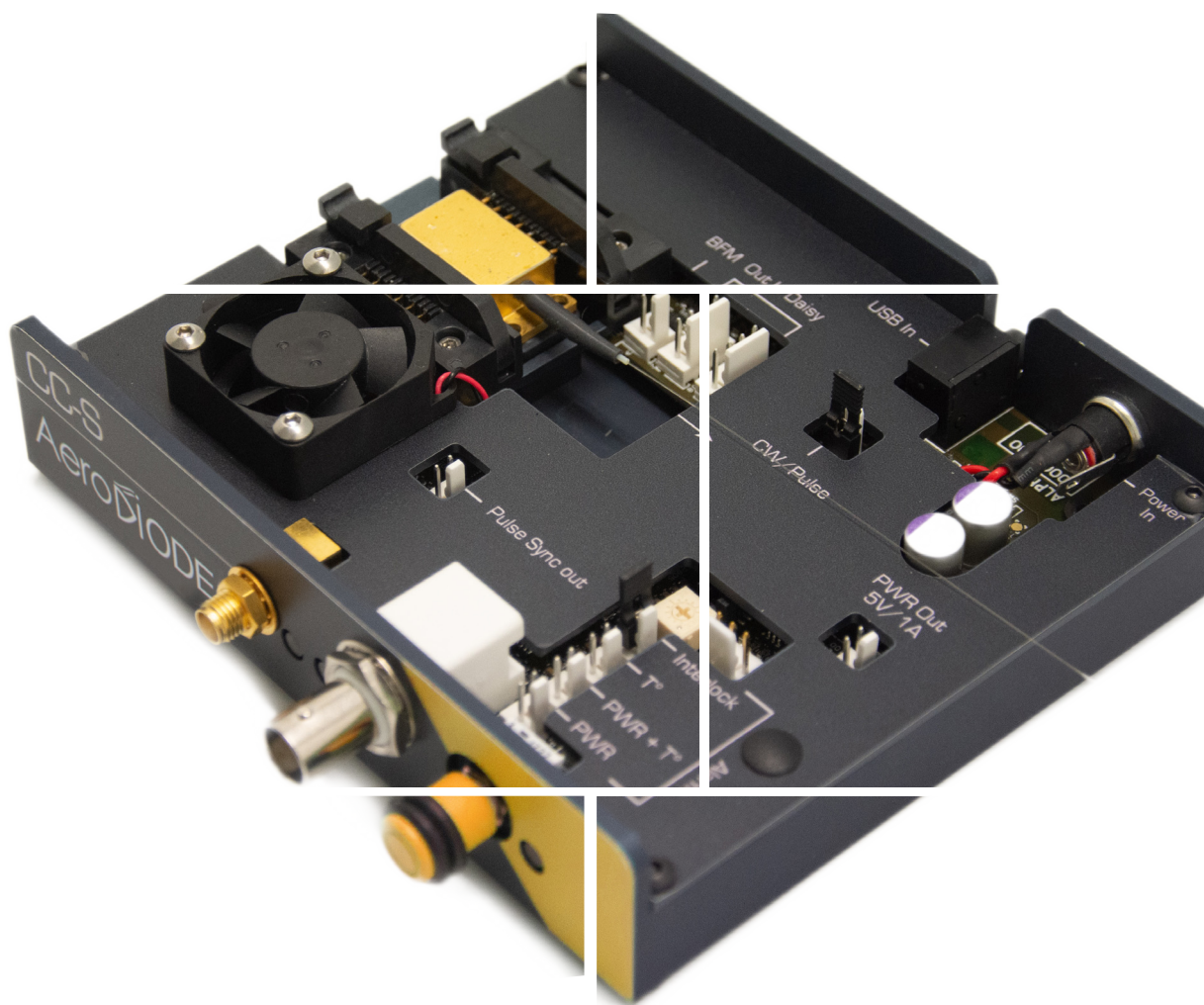


915 nm Laser diodes & Turn-key solutions

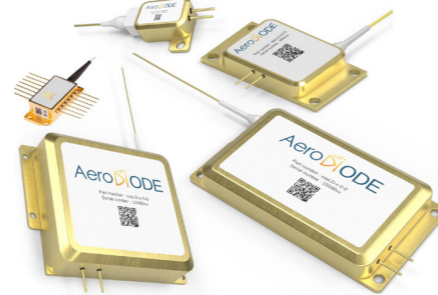


Aero **Di**ODE

915 nm laser diode

Choose your own fiber-coupled laser diode + turn-key Driver solution

Standard singlemode or multimode laser diodes are offered as stock items or combined with a CW or pulsed turn-key laser diode driver.



1st

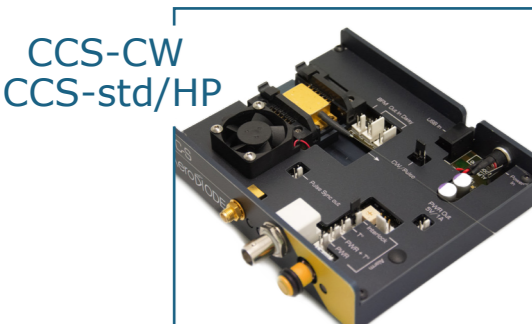
Choose your laser diode :

Diode model	Power (CW)	Power (Pulse)	Technology	Wavelength (nm)	Fiber	Emission Bandwidth (typ)	Package (mm)
1	300 mW	600 mW	Butterfly single mode	915 ± 5nm	PM 980	~0.1 nm	14 pin Butterfly-type 1
2	10 W	10 W	Multimode single emitter	915 ± 10 nm	Multimode 106 µm NA=0.22	~5 nm	38.5*45*10
3	30 W	30 W	Multimode multi emitter				
4	70 W	70 W					
5	160 W	160 W					
6	185 W	185 W					

3rd

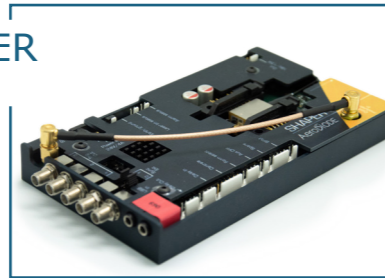
Choose your product form factor : OPEN-FRAME or INTEGRATED

OPEN-FRAME VERSIONS :



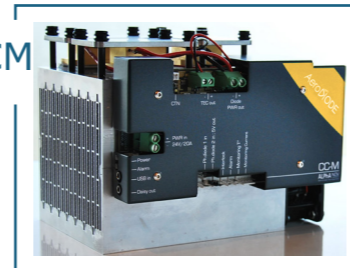
➤ Open-frame driver for CCS-CW, CCS-std and CCS-HP electronics Boards for single mode diodes

SHAPER



➤ Open-frame driver for «Shaper» electronic Board for single mode diodes

CCM



➤ «CCM» Open-frame driver for Multimode diodes (10-200W)

INTEGRATED VERSIONS :

CCSI-CW/std/HP/HPP



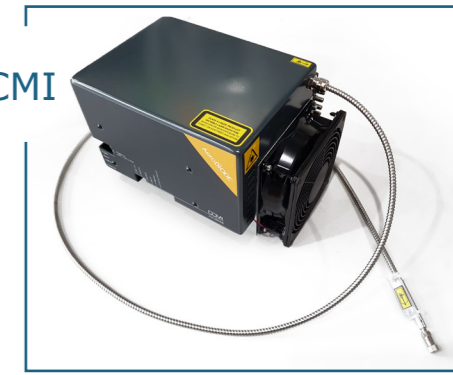
➤ Integrated version for CW, std and HP electronics Boards

SHAPER-I



➤ Integrated version for Shaper electronics Board (single mode diodes)

CCMI



➤ «CCMI» Integrated driver for Multimode diodes (10-200W)

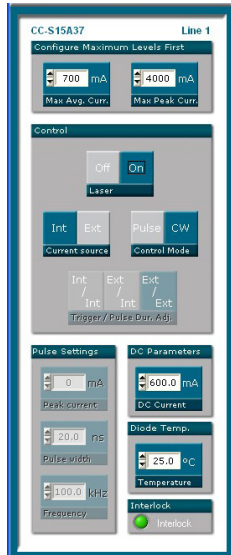
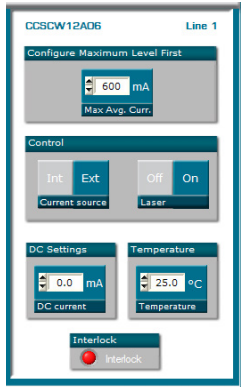
2nd

Choose your Driver performance :

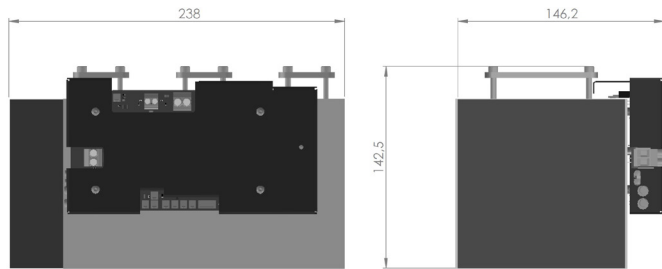
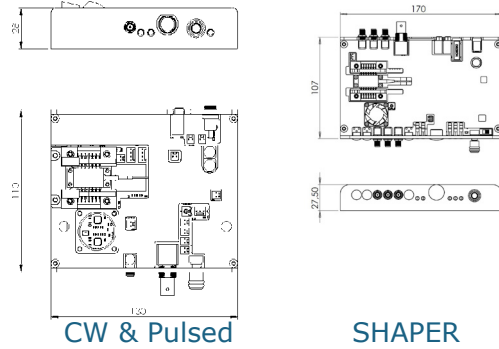
	915 nm Laser Diode version	LASER DRIVER VERSION :			
		CW Driver (for singlemode diodes : «CCS-CW» is the open driver and CCSI-CW is the integrated version)	Pulse & CW Driver (from 1 ns to CW : «CCS-std» is the open driver and CCSI-std is the integrated version)	User design pulse shape Driver («Shaper» open driver / «Shaper-I» integrated version) from 0.5 ns to 8 µs	Multimode diode Driver (High power driver for 10 to 150 W diodes : CCM is the open version, CCMI is the integrated version)
Output Power - CW / Pulse (Typical values)	1- single mode	300 mW / No	250 mW / 1000 mW	No / 1000 mW	Not compatible
	2- Multimode :	Not compatible			10 W / 10 W 30 W / 30 W 70 W / 70 W 160 W / 160 W 185 W / 185 W
Output Power - CW / Pulse (Typical values)	10 W / 30 W / 70 W / 160 W / 185 W				
User design Pulse shape	Any	No	No (On-Off only)	Yes	No
Laser diode T°	Any	15 - 50 °C			15 - 40 °C
Pulse duration (Ext trigger)	Any	0.5 ns - CW		0.5 ns - 8 µs	10 µs - CW
Pulse duration (Internal pulse generator)	Any	0.5 ns - 500 ns			No
Typ rise/fall time ; Min Pulse duration	Any	3 (ns/A) ; 1.5 ns		< 1ns/A ; 1.5 ns	few µsec
Internal rep rate adjustment	Any	1 Hz - 4 MHz (250 MHz optional)		1 Hz - 20 MHz	No
Temporal Jitter	Any	< 25 ps		< 2 ns	
Adj. CW offset (pulse regime)	Any	No			Yes (external mode)
Interface/GUI/libraries	Any	USB - Windows 7/10 - DLLs - Hexa/Linux - Labview - Python			

Technical Specifications

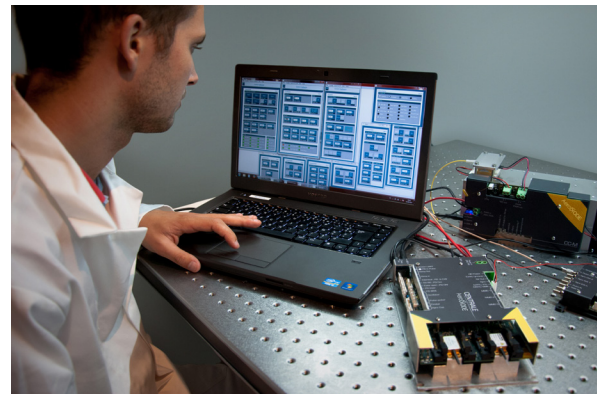
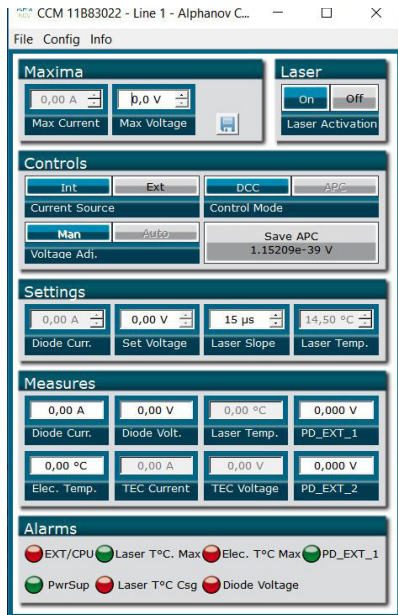
GUI (examples)



Mechanical (examples) :



CCM (for Multimode diodes)



Classification :

Name	915LD :
Diode type	0: Laser diode only 1: 300 mW Butterfly singlemode 2: 10 W multimode 3: 30 W multimode 4: 70 W multimode 5: 160 W multimode 6 : 185 W multimode
Driver Electronics :	0: No driver (laser diode alone) 1: CCS/CCSI-CW (CW laser emission only - for singlemode laser diodes) 2: CCS-CCSI-std (Pulsed and CW Driver - for singlemode laser diodes) 3: SHAPER (User design temporal pulse shape - for singlemode laser diodes) 4: CCM/CCMI (for multimode high power laser diodes)
Form Factor	0: No driver (laser diode alone) 1: Open frame driver version 2: Integrated driver version

Ordering information :

