

SPLDD

Seed and Pump Laser Diode Driver

A sophisticated multi-functional driver.

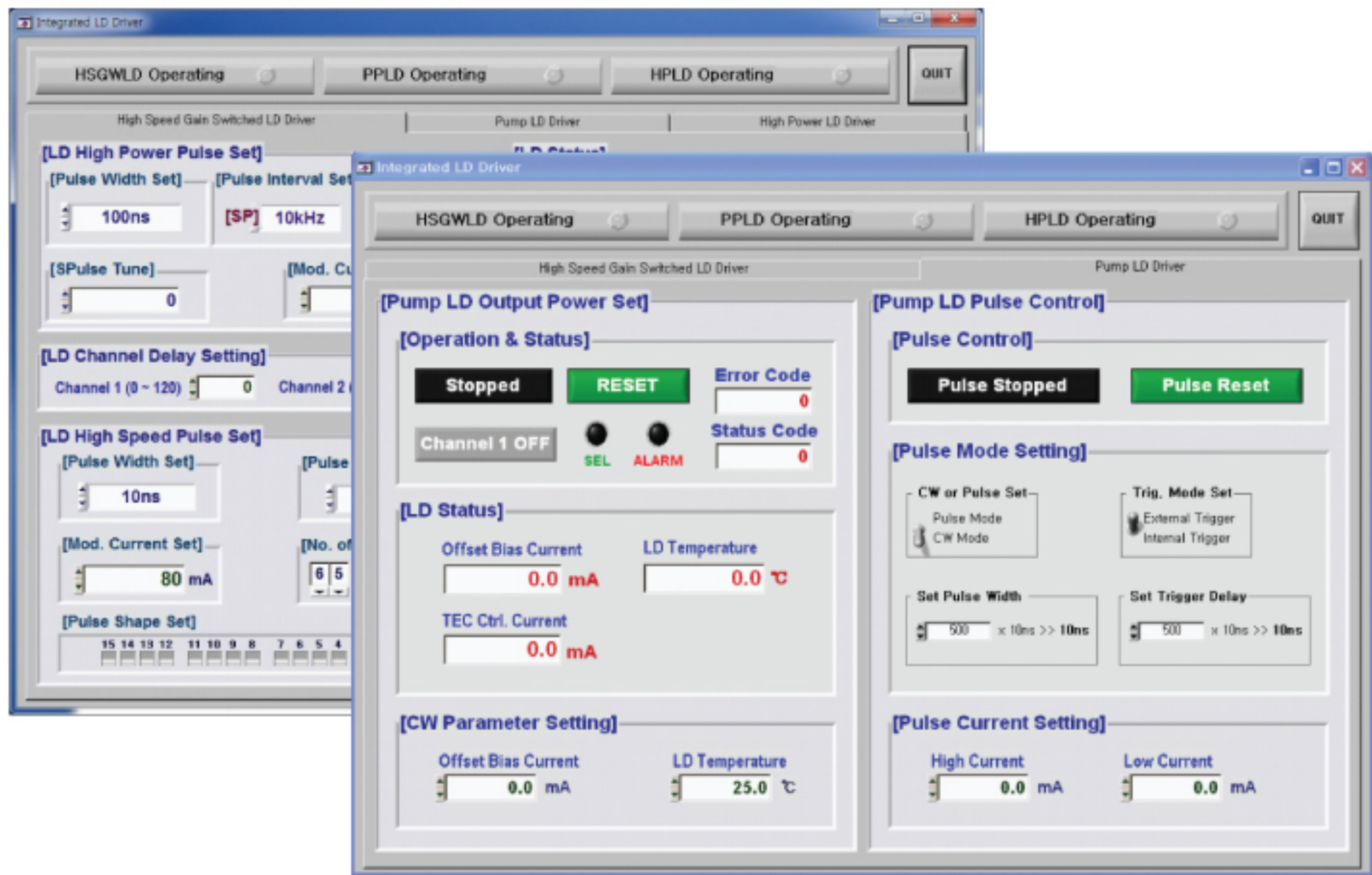


Features

- Integrated LD Driver Solution
 - 1 channel of Seed LD Driver (SLDD)
 - 1 channel of Pump LD Driver (PLDD)
- High current mode & High speed mode – SLDD
 - High current mode : Min. 2.5ns & Max. 1.2A
 - High speed mode : Min. 400ps & Max. 55mA
- Various superimposed pulse shape control - SLDD
- Up to 1 Ampere offset current
- Modulation of pump power (> 10MHz)

Applications

- Fiber laser seed laser diode driver
- Pump laser diode driver
- Fiber laser pumping source laser driver
- SLED broadband source laser driver
- Seed LD + SOA driver
- EDFA type optical amplifier
- Pre-pumped source for industrial laser



Specifications (for SLDD)

Parameters	Values	
	High Power Mode	High Speed Mode
LD Mount Type	14-Pin Butterfly Mount	
Pulse Width	2.5ns ~ 10us	400ps ~ 1us
Pulse Modulation Current	Max. 1.2A	Max. 60mA
Repetition Rate	1kHz ~ 20MHz	1kHz ~ 1.25GHz
Pulse Delay	5ns ~ 6.4us	-
Number of Superposition Pulse Channel	2	-
LD Offset Current	Max. 1A	
Temperature Control Range	15 ~ 40℃	
TE Cooler Current	±1.5A	

(for PLDD)

Parameters	Values
LD Mount Type	14-Pin Butterfly Mount
Operating Current	0 ~ 1000mA
LD Output Power	750mW(Pump LD)
LD Modulation Frequency	> 10MHz
Operating Temperature	15 ~ 40℃
Temperature Stability	± 0.1 ℃
TE Cooler Current	±1.5A