

DAS/DVS Integrated Optical Module

➤ Product Description

The DAS / DVS integrated optical module relies on the ultra-narrow linewidth light source of CSRayzer's own technology to realize the pulse modulation of the optical signal, the amplification of the original optical signal for sensing, and the output of the photoelectric conversion with high signal-to-noise ratio. This module is designed to provide high-quality supporting products and solutions for distributed optical fiber vibration and acoustic wave sensing, and border security equipment manufacturers.

➤ Product Feature

- 1) High integration directly realizes photoelectric conversion
- 2) Modular design meets the needs of different solutions
- 3) Small size and low power consumption
- 4) Ultra-high extinction ratio
- 5) High stability and reliability

➤ Product Application

- 1) ϕ OTDR system
- 2) C-OTDR system
- 3) DVS/DAS system
- 4) Non-linear optics

➤ Product Specification

Module Parameter	Min	Typ	Max	Unit
Part No.	FL-DVS Module (Single channel / dual channel)			
Sensing Distance		40		km
Channels		1	2	
Pulse Width	20	100	400	ns
Rise / Fall Time		5	10	ns
Pulse Frequency		2	50	KHz
Extinction Ratio		70		dB
Frequency Shift	40	80	200	MHz
Center Wavelength		1550.12		nm
Line Width		1.5	3	KHz
Peak Power(Output Optical Signal)		23	30	dBm
Interface		RS232		
WarmUp Time		<5		Min
Voltage		12V		V
Power Consumption		15	25	W
Working Temperature	-15	25	55	°C

Scheme Framework

