



## SESI Commercial Lidar

	Basic Configuration	Options
<b>Transceiver</b>	8" Schmidt-Cassegrain Thermally stable telescope structure Single channel receiver	9.25" Schmidt-Cassegrain. 11" Schmidt-Cassegrain. 12" Schmidt-Cassegrain. Dual channel receiver can be provided for any transceiver size for depolarization measurement. An air tight actively temperature controlled system also can be provided for stand-alone measurement in the field.
<b>Laser</b>	Diode Pumped Solid-state Laser with wavelength 523.5 nm, 2.5 kHz fixed rep rate, eye-safe level of energy	526.5 nm, 532 nm, and 1,047 nm lasers with various power range up to 2.5 W at 10 kHz. High power lasers with non-eye safe level energy are available on request. When non-eye safe laser is used, user selectable mechanism for eye-safe or non-eye-safe mode of operation can be provide as another option. Variable laser rep rate from 1 kHz to 10 kHz in steps of 500 Hz.
<b>Detector</b>	Si-APD single photon counting module with narrow bandwidth filter Bandwidth: 0.2 nm	2 detectors will be used for depolarization measurement. The filter bandwidth for IR is 0.5 nm.
<b>MCS</b>	SESI proprietary multichannel scaler (MCS) Range resolution: 3.75 m ~ 960 m in steps of 3.75 m Average Time: 0.1 sec ~ 4.37 min in steps of 0.1 sec Ethernet communication to computer	
<b>Scanner</b>	No scanner Manual tilt adjustment	Tripod and Pan/Tilt from QuickSet International, Inc.
<b>Software</b>	Single channel display software with cloud base height.	Dual channel data and display with cloud base height. Pan/Tilt information will be recorded in the data header.

Price: US\$120,000 for Basic Configuration.  
Price increases with the selected options.  
Delivery is mostly within 24 weeks.  
Payment: TBD for domestic sale, Letter of Credit for overseas customers.

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SESI Lidar with Tripod and Scanner