

## Calmar Laser Expands its Product Offerings for Terahertz Researchers

Highlighted fiber lasers/systems in this newsletter:

- [Mendocino Benchtop 780 / 1550 nm dual outputs, with convenient armored fiber cable beam delivery](#)
- [Mendocino 780 nm High Power OEM Module](#)
- [TeraPulse Lx THz Pulsed Imaging and Spectroscopy System](#)

For over 15 years, Calmar Laser has been providing stable femtosecond fiber laser sources for the generation of terahertz radiation. We have recently expanded our portfolio with new offerings in both our Mendocino benchtop and OEM module series.

The new Mendocino benchtop system has been designed for researchers building their own terahertz source and features user-friendly front panel controls with high output power levels (up to 200 mW) at dual wavelengths (780 or 1550 nm). With convenient beam delivery through an armored fiber cable and a simple optical switch to select the required wavelength, it is the perfect source for the generation of terahertz radiation with either GaAs or InGaAs photoconductive switches.



### **Mendocino Dual Wavelength 780/1550 nm Benchtop System for Terahertz Generation**

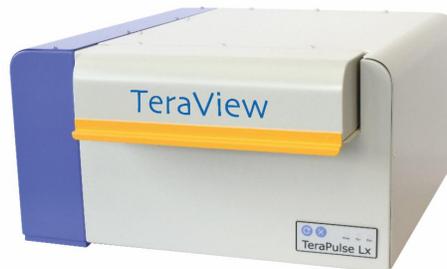
For OEMs, a high power version of the Mendocino fiber laser module series is now available. With pulse widths below 90 fs at 780 nm and output power levels up to 150 mW, this system is the perfect compact source for terahertz generation. Further, a simple 5 VDC power requirement and a ruggedized package, which has gone through extensive shock and vibration testing, ensure convenient and reliable integration into OEM platforms.



### **High Power 780 nm Mendocino**

All Mendocino systems feature Calmar's proprietary saturable absorber technology, which has been developed and perfected over a twenty-year period to deliver reproducible mode-locking at turn-on with excellent stability and reliability.

And for those terahertz researchers that are looking for a turnkey spectrometer and imaging benchtop system, there is the TeraPulse Lx system from the world's leader in terahertz systems, TeraView.



### **TeraPulse Lx**

The TeraPulse Lx offers a modular design with a full range of accessories for reflection and transmission measurements. It utilizes an optical fiber-based architecture with the Mendocino as the laser building block to provide unprecedented stability and portability. Employing TeraView's proprietary laser-gated photoconductive emitters, the system offers an industry-leading signal-to-noise performance of > 95 dB over a bandwidth of 60 GHz to typically 6 THz (for more information, contact [enquiries@teraview.com](mailto:enquiries@teraview.com)).

Please feel free to contact us if you have any questions or an interest in customized ultrafast laser solutions for your specific application needs.

Regards,

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*Calmar Laser is an ISO 9001:2008 manufacturer of innovative ultrafast fiber laser and fiber amplifier solutions for the needs of industry, research institutions and universities. Since 1996 Calmar has been a key supplier and reliable OEM partner to customers for advanced high-speed test and measurement applications, optical communications, component characterization, material diagnosis, biomedicine and micromachining. Today, Calmar is an industry leader in supplying robust, compact, ultrafast fiber lasers designed for simple hands-off reliable operation. For more information about Calmar Laser, visit the Company's Web site at [www.calmarlaser.com](http://www.calmarlaser.com) for product updates.*