

## STM-VIS-IR Series White Light Supercontinuum Source

Our STM-VIS-IR series is a broadband laser with a unique spectrum spike free below 1540 nm. They deliver a convenient balanced spectrum whether you want to use the visible band or the near-infrared band.

This series can be triggered externally for easy synchronization set-up.

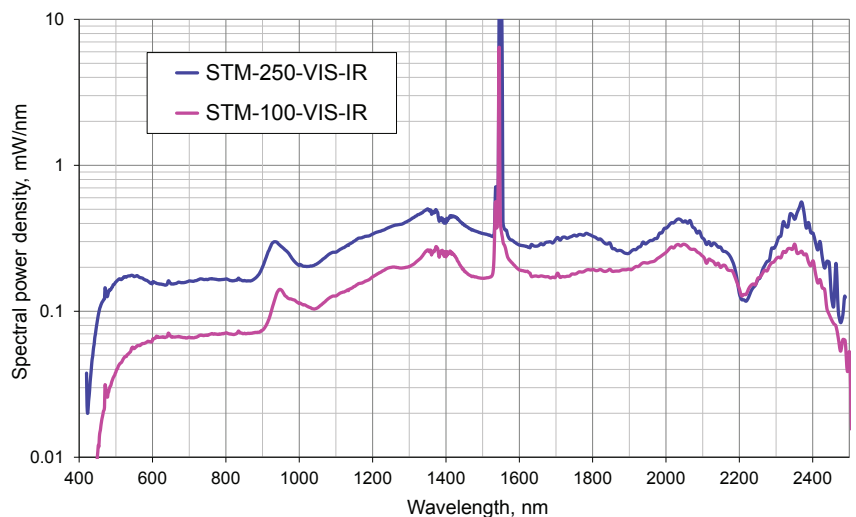
### FEATURES

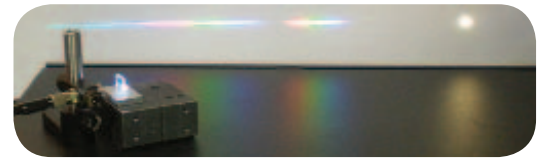
- From visible to IR  
450 nm - 2500 nm
- Singlemode TEM00
- Various repetition rate  
100 kHz and 250 kHz
- High energy per pulse  $> 3 \mu\text{J}$
- Total average power  
up to 650 mW
- Maintenance-free
- Reliable all fibered compact  
broadband source
- IR extension available

### APPLICATIONS

- Optical component testing
- OCT (Optical Coherence  
Tomography)
- Spectroscopy
- Metrology, LIDAR
- High resolution imaging

Triggered or free running laser  
Spike free below 1540 nm  
Flat spectrum below 900nm





# STM-VIS-IR Series

## White Light Supercontinuum Source

### STM-100- VIS-IR

### STM-250- VIS-IR

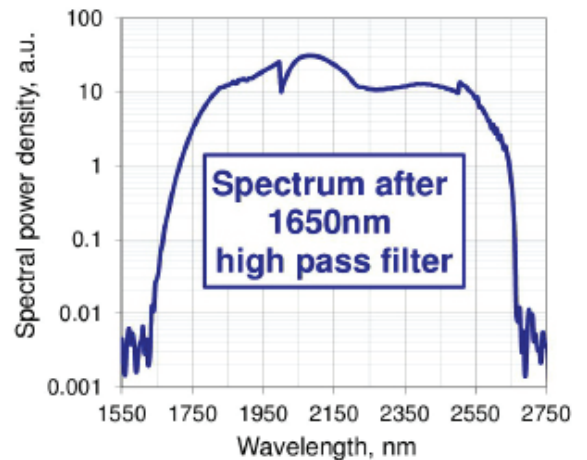
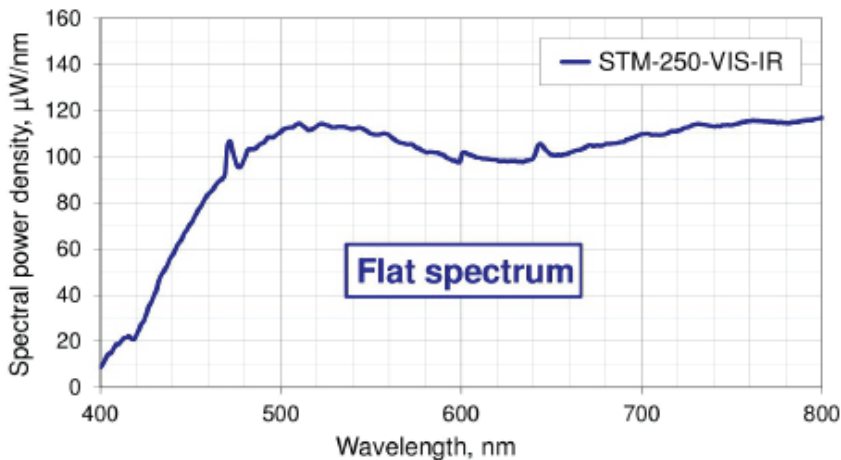


Optical specifications			
Spectral bandwidth	min	< 500 nm	< 450 nm
	Max	2600 nm	2600 nm
Total average power		> 250 mW	> 650 mW
Seed repetition rate <sup>(1)</sup>		~ 100 kHz	~ 250 kHz
Timing jitter		< 20 ns	
Seed pulse width		~ 1 ns	
Power stability <sup>(2)</sup>		+/- 1 %	
Spatial mode		Singlemode TEM00	
Polarization state		Unpolarized	
Output connection		FC/APC Collimator (~ 1 meter armored cable)	
Other specifications			
Control interface		Front panel and RS232	
Operating temperature		+5°C to +40°C non condensing	
Weight		< 8 kg	
Dimensions (LxWxH) <sup>(3)</sup>		483x250x134 mm	
Power requirements		100-240V, 50/60Hz	

#### OPTIONS

- Collimated output  
Lens or achromatic broadband collimator
- Free-running version  
Internal clock TTL trigger signal generator.

- (1) Fixed repetition rate.  
TTL input trigger signal with 50% duty cycle.
- (2) Typical value of long-term stability for total average power.
- (3) Custom OEM packaging available upon request.



INVISIBLE AND VISIBLE LASER RADIATION  
AVOID EXPOSURE to BEAM  
Class 4 (IV) Laser product

200 <math>\lambda</math> <math>< 3000\text{ nm}</math> - P = 3 W - Qi = 10 µJ - ti = 1 ns  
Class 4 (IV) Laser product IEC 60825.1 - 2007  
Complies with 21 CFR 1040.10 and 1040.11