EYE-SAFE HIGH POWER LASER TRANSMITTER MIRVISION - Series

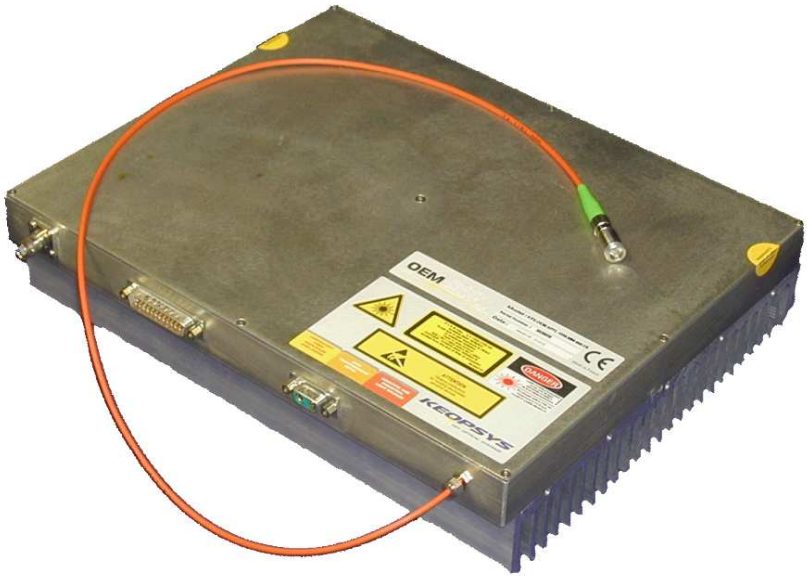
MIRvision®

The MIRVISION series is a range of Eye-Safe fiber laser source delivering high peak power and high energy per pulse (up 80 µJ in an output fiber with M^2< 1.5).

This source is ideal for airborne range-finding applications .

FEATURES

- ***Energy per pulse up to 100 µJ with M²<3 or 80 µJ with M²<1.5***
- ***Peak power up to 25 kWwith M²<3 or 10 KW with M²<1.5***
- ***Pulse duration 2 to 10 ns***
- ***Pulse repetition frequency from 40 kHz to 1.5 MHz***
- ***Operating temperature range (-20°C to +60°C)***



APPLICATIONS

- ***Range-finding***
- ***Obstacle detection***
- ***Telemetry***
- ***Surveillance***
- ***Mapping***
- ***Night Vision***
- ***Airborne Survey***

All products comply with IEC 60825-1 and FDA (21 CFR Subchapter J) laser safety standards.

Keopsys undertakes a continuous and intensive product development program to ensure that its products perform to the highest technical standards. As a result, the specifications in this document are subject to change without notice.

HEADQUARTERS
KEOPSYS SA.
21 rue Louis de Broglie
22300 Lannion, France
Tel: +33 2 9605 0800
Fax: +33 2 9605 0801

US OPERATIONS
KEOPSYS Inc.
16 White Bridge Road
Pittstown, NJ 08867, USA
Tel: +1 (908) 238-0898
Fax: +1 (908) 238-9178

websales@keopsys.com
www.keopsys.com

KEOPSYS KEY OPTICAL SYSTEMS

EYE-SAFE HIGH POWER LASER TRANSMITTER
MIRVISION – Series

2007-12-17 – v0.0

Specifications:

	Model		
Optical	**020-004-200**	**100-004-040**	**080-008-100**
Mode of operation	Pulsed		
Operating Wavelength	1540-1550 nm *		
Energy per pulse	20 µJ	100 µJ	80 µJ
Peak power	4 kW	25 kW	10 kW
Average power	4 W	4 W	8 W
Pulse repetition frequency	200 kHz	40 kHz	100 kHz
Pulse duration	4 ns **		8 ns **
Pigtail length (3mm jacket)	50 cm		
Fiber type	LMA	MM	LMA
Polarization	Random		
Beam Quality	$M^2 < 1.5$	$M^2 < 3$	$M^2 < 1.5$
Output termination	FC/APC or collimator (optional)		
Electrical			
DC Voltage	18 – 32 V		
Power consumption	< 50 W	< 100 W	< 120 W
Interface	RS232, analog and TTL signals		
Warm-up time	5 min max		
Environmental			
Operating case temperature	-20°C to +60°C		
Storage temperature	-30°C to +70°C		
Packaging			
Dimensions	280 x 170 x 35 mm	330 x 260 x 30 mm	
Weight	< 2 Kg	< 3 Kg	

* : other operating wavelength available on request
** : other pulse width available on request (2 to 10 ns)

Ordering information:

KPS - MIR – 1550 – WWW – XXX – YYY – SD - ZZ

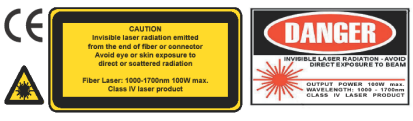
WWW = Energy in µJ
XXX = Pulse duration in ns
YYY = Pulse repetition frequency in kHz
ZZ = Output termination (FA = FC/APC, CO = Collimator)

Example: KPS- MIR-1550-020-004-200-SD-FA
Energy = 20 µJ
Pulse duration = 4 ns
Pulse repetition frequency = 200 kHz
Output termination = FC/APC

Custom solutions upon request
Please contact Keopsys for more information

All products comply with IEC 60825-1 and FDA (21 CFR Subchapter J) laser safety standards.

Keopsys undertakes a continuous and intensive product development program to ensure that its products perform to the highest technical standards. As a result, the specifications in this document are subject to change without notice.



HEADQUARTERS
KEOPSYS SA.
21 rue Louis de Broglie
22300 Lannion, France
Tel: +33 2 9605 0800
Fax: +33 2 9605 0801

US OPERATIONS
KEOPSYS Inc.
16 White Bridge Road
Pittstown, NJ 08867, USA
Tel: +1 (908) 238-0898
Fax: +1 (908) 238-9178

websales@keopsys.com
www.keopsys.com

KEOPSYS KEY OPTICAL SYSTEMS