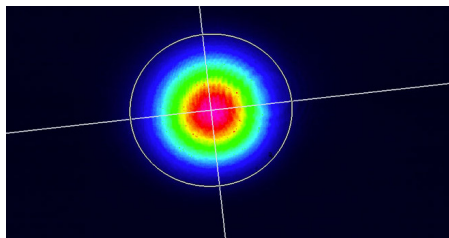


TECHNICAL SPECIFICATIONS *

	DIADEM IR-10	DIADEM IR-20	DIADEM IR-30
WAVELENGTH		Q P R U	Q P
SPECTRAL BROADENING		Q P	
PULSE DURATION		IV W \ S WR	IV S V
PULSE ENERGY	10 µJ up to 1 MHz	0 µJ up to 700 kHz	v - X S WR N +]
REPETITION RATE	6 L Q V R W WR	0 +] Z L W K E X U V W	PR GH ç V L Q J O H V K
M²		<1.2	
BEAM WAIST DIAMETER		2 mm	
BEAM DIVERGENCE		<1 mrad	
BEAM POINTING		<25 µrad/°C	
ELLIPTICITY		> 0.85	
WARM-UP TIME		< 15 min	
POWER STABILITY		<2% RMS	
PULSE STABILITY		<2% RMS	
POLARIZATION		Linear, >100:1	
ELECTRICAL			
EXTERNAL INTERFACES	High speed External synchronisation (Sync6000 F In), Communication through USB, RS 232, TCP/IP		
SOFTWARE INTERFACES	Intuitive GUI, Serial communication Protocol		
POWER CONSUMPTION	100 to 240VAC < 400 W		
MECHANICAL			
LASER HEAD DIMENSIONS (mm) - WEIGHT	531 x 342 x 143 - 17 kg		
LASER CONTROLLER DIMENSIONS - WEIGHT	19"/3U rack - 7.5 kg		
STANDARD UNILICAL LENGTH	3 m		
TECHNICAL DRAWINGS FOR DOWNLOAD	DIADEM / DIADEM MODULE		
COOLING	Air cooled		
OPTIONS			
FIBER DELIVERY MODULE	Fiber delivery coupling module with hollow core fiber (3 m long)		
ULTRA SYNC	/ow timing jitter for ultra accurate on-demand pulse triggering		
EXTERNAL MODULE	Possibility to convert in the harmonics and electronically switch thanks to an external module (IR/GR or IR/GR/UV)		
38 / 6 (781 \$ % , / , 7 <	8 S S H U	U D Q J H	D E R Y H S V
38 / 6 (' 85 \$ 7 , 2 1	I V	W \ S	I V
PERFORMANCE			



BEAM PROFILE

AVERAGE POWER STABILITY

* This information is subject to modifications without prior notice