RTI PIKO

LASER PROJECTORS

LaserAnimation
SOLLINGER

The intelligent LaserAnimation Sollinger Mainboard is integrated into the laser projector, which provides the laser operator with a variety of control and setting options (e.g. the LA.toolbox) or transmission options (such as AVB). Together with the ShowNET laser mainboard, which is also integrated, ILDA, LAN (software), DMX and ArtNET control, ILDA streaming, stand-alone operation, among others, are available, ensuring the highest possible flexibility.

The RTI PIKO projectors are completely manufactured in Germany and they are basing on unique red, green and blue RTI RSL laser modules, manufactured by LaserAnimation. Depending on the model some projectors are equipped with green, yellow or orange Coherent Genesis TAIPAN OPSL modules for even better visibility. The RSL modules with their very low divergence and a homogeneous beam shape make the RTI PIKOs highly professional laser systems. The small beam diameter enables the use of small scanner mirrors with less inertia, which enables high scanning speeds. CT-6210 scanners with LAS Turboscan XD drivers are optionally available for most devices, enabling even higher scanning speeds of up to 60kpps ILDA 8°(max. 60°).

Control signals can be looped through directly via the network switch, which is also integrated.

The RTI PIKO lasers are suitable for indoor and outdoor applications, e.g. at concerts, festivals and other major events. Demanding graphic projections and projections over long distances are no problem for these devices thanks to the low divergence.

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Control Modes
AVB / TSN interface for data streaming via Ethernet, AIFF player function, stand-alone player, ILDA, DMX / ArtNET, control software "LA.toolbox" for PC or Mac included, LAN (software) with ShowNET DAC

Typical wavelengths:
637 nm | 577 nm / 590 nm | 525 nm / 532 nm | 455 nm

Type
CW analog modulated

Beam Diameter*
5 mm (PIKO 33 | PIKO 38 ROGB | PIKO 42 RYGB | PIKO 36 G OPSL)
7 mm (PIKO 40) | 8 mm (PIKO 55 | PIKO 70) | 10 mm (PIKO 44 G)

Beam Divergence*
0.7 - 0.9 mrad

Scanner
45 kpps ILDA 8°, max. 50°
optional: CT-6210 with LAS TurboScan digital: 60 kpps ILDA 8°; max. 60°
42 kpps ILDA 8°, 28 kpps @ max. 48° (PIKO 55 & 70; PIKO 40)
38 kpps ILDA 8°, 25 kpps @ max. 48° (PIKO 44 G)

Weight
ca. 28 kg

Dimensions
L 49,1 cm x W 27,1 cm x H 29,6 cm

IP Rating
IP54

Thermal
Ambient tempearture: 5°C - 45°C (depending on model)

Electrical Input
Universal input: 85 VAC - 264 VAC, 50 - 60 Hz
Power consumption: 500 W - 2500 W (depending on model)

Laser Safety
- Electronic mask to define protected areas in a laser projection using controlling software
- Scanfail safety circuit
- Key switch, Interlock, Emission LED

Standardized Connectors
- AC Mains Connector: Neutrik PowerCon TRUE1
- Projector Signal, analog: ILDA In D-sub 25, differential inputs
- Remote: 7pin XLR (external key switch, interlock)
- DMX In / Thru
- LAN

Properties
- RTI RSL Laser Module Technology for a very good beam profile in all colors. Green, yellow or orange Genesis TAIPAN OPSL module made by Coherent (depending on model)
- Integrated intelligent LaserAnimation Sollinger Mainboard
- Control via "LA.toolbox" software (color correction, laser disable). Software included in delivery
- AVB interface for streaming data via Ethernet
- LAN control through integrated ShowNET, FB4 integration optionally possible
- LAS motorized dichroic filters optionally available
- Incl. waterproof flightcase

*FWHM average depending on model

Laser Projector	Guaranteed output power	Red Module (637 nm)	Yellow / Orange Taipan OPSL (577 nm / 590 nm)	Green Module (525 nm / 532 nm)	Blue Module (455 nm)
PIKO 33	35 W	8.5 W	-	13 W (525 nm)	20 W
PIKO 40	40 W	12.5 W	-	13 W (525 nm)	22 W
PIKO 55	55 W	24 W	-	21 W (525 nm)	20 W
PIKO 70	70 W	17 W	-	26 W (525 nm)	40 W
PIKO 38 ROGB	39 W	8 W	5 W (590 nm)	13 W (525 nm)	20 W
PIKO 42 RYGB	42 W	8.5 W	6 W (577 nm)	13 W (525 nm)	22 W
PIKO 36 G OPSL	36 W	-	-	40 W (532 nm)	-
PIKO 44 G	44 W	-	-	52 W (525 nm)	-

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