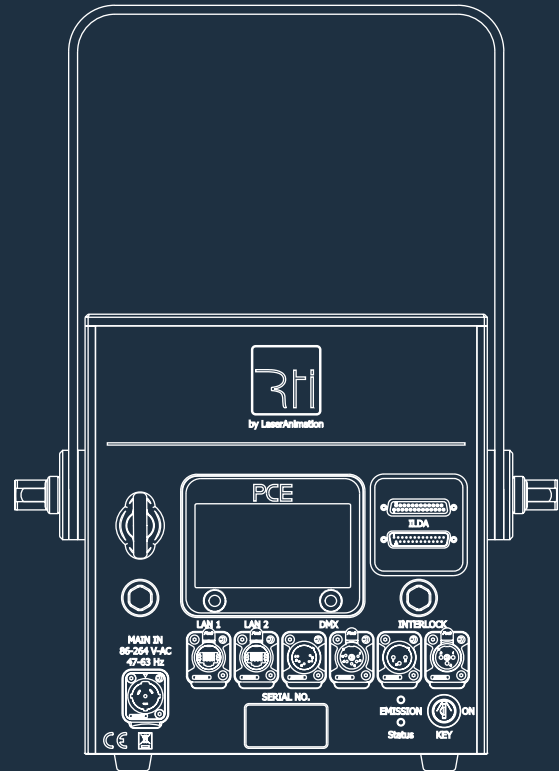


# RTI PIKO

## LASER PROJECTORS

EDITED: 2024-09

LaserAnimation  
SOLLINGER



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. For an even better visibility, the RTI PIKO 55 RYGB is equipped with an additional yellow Coherent Genesis TAIPAN OPSL module. 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 the RTI PIKO 55 RYGB, enabling even higher scanning speeds of up to 60kpps ILDA 8° (max. 60°).

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). A FB4 is integrated by default in all RTI PIKO laser projectors, offering ILDA, LAN (software), DMX and ArtNET control.

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

The RTI PIKO lasers, which are dust-tight and water-resistant according to the IP65 standard, are suitable for indoor and outdoor applications, such as concerts, festivals, and other major events. Demanding graphics projections and projections over long distances are no problem for these devices thanks to their low divergence. A flight case is included with all RTI PIKO laser projectors.



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### Control Modes

By standard: FB4 Max offering ILDA, LAN (software), DMX and ArtNET control. Optionally available: AVB / TSN interface for data streaming via Ethernet.

AIFF player function, stand-alone player; control software "LA.toolbox" for PC or Mac included.

### Typical wavelengths:

637 nm | 577 nm | 525 nm | 455 nm

### Type

CW analog modulated

### Beam Diameter\*

5 mm (PIKO 55 RYGB)

10 mm (PIKO 65 | PIKO 100 | PIKO 55 G)

### Beam Divergence\*

< 0.7 mrad (PIKO 55 RYGB)

< 0.8 mrad (PIKO 65 | PIKO 100 | PIKO 55 G)

### Scanner

45 kpps ILDA 8°, max. 50° (PIKO 55 RYGB);

optional: CT-6210 with LAS TurboScan digital: 60 kpps ILDA 8°; max. 60°

38 kpps ILDA 8°, 25 kpps @ max. 48° (PIKO 65 | PIKO 100 | PIKO 55 G)

### Weight (net)

ca. 37 kg (PIKO 55 G) | ca. 39 kg (PIKO 65 | PIKO 55 RYGB)

ca. 42 kg (PIKO 100)

### Dimensions

L 50.9 cm x W 27.1 cm x H 29.6 cm

### IP Rating

IP65

### Operating Temperature

+5°C - +45°C (PIKO 55 RYGB)

+5°C - +40°C (PIKO 65 | PIKO 100 | PIKO 55 G)

### Electrical Input

Universal input: 86 VAC - 264 VAC, 47 - 63 Hz

Power consumption: 1600 W - 2800 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, Status LED

### Standardized Connectors

- AC Mains Connector: Neutrik PowerCon TRUE1
- Projector Signal, analog: ILDA In D-sub 25, differential inputs
- Interlock: 3pin XLR (external key switch, interlock)
- DMX In / Thru (5pin XLR)
- LAN (two ports on internal switch)

### Properties

- RTI RSL Laser Module Technology for a very good beam profile in all colors. Yellow Genesis TAIPAN OPSL module made by Coherent (RTI PIKO 55 RYGB)
- IP65 rated dust and waterproof housing
- Integrated intelligent LaserAnimation Sollinger Mainboard & FB4 Max as standard
- Control via "LA.toolbox" software (color correction, laser disable). Software included in delivery
- AVB interface for streaming data via Ethernet
- LAN control via FB4
- Integrated network switch for looping through the control signal
- LAS motorized dichroic filters optionally available
- Incl. flightcase

\*FWHM average depending on model



CAUTION - CLASS 4 LASER  
RADIATION WHEN OPEN  
AVOID EYE OR SKIN EXPOSURE TO  
DIRECT OR SCATTERED RADIATION

LASER RADIATION  
AVOID EYE OR SKIN  
EXPOSURE TO DIRECT  
OR INDIRECT RADIATION  
CLASS 4 LASER PRODUCT  
DIN EN 60825-1:2015-07

### Typical wavelengths and specified laser output at source

Laser Projector	Guaranteed optical output*	Minimum power*	Red Module (637 nm)	Yellow Module (577 nm)	Green Module (525 nm)	Blue Module (455 nm)
PIKO 65	70 W	62.0 W	18 W	-	23.1 W	36 W
PIKO 100	110 W	100 W	27 W	-	33 W	60 W
PIKO 55 RYGB	59 W	50 W	9 W	6 W (Taipan OPSL)	16.5 W	30 W
PIKO 55 G	60 W	53 W	-	-	66 W	-

\*at laser modules

\*at aperture