

# RTI NANO

## LASER PROJECTOR

LaserAnimation  
**SOLLINGER**



The RTI NANO 140 is an 140 W full color laser system which is powered by high-precision laser modules built with the maintenance free RTI Semiconductor Laser (RSL) technology. With these high powers per color channel it is no problem to create colored beams that are visible from many kilometers away. The RTI NANO 140 is also graphics capable: Projections to far distance surfaces, like mountains or tall buildings, can be done as well as astonishing aerial effects. Typical applications for this unit are sky laser or landmark laser use, long distance and large scale projections, but it can also be THE special effect for any large scale event.

### 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 | 525 nm | 455 nm

### Type

CW analog modulated

### Beam Diameter\*

10 mm

### Beam Divergence\*

<0.9 mrad



### Scanner

38 kpps ILDA 8°, 25 kpps at max. 48°

### Weight

ca. 120 kg

### Dimensions

L 110 cm x W 80 cm x H 130 cm

### IP Rating

IP65

### Thermal

Ambient temperature: -20°C - +60°C

### Electrical Input

Power supply: 16A CEE, 3 phase 50 - 60 Hz

Power consumption: 6000 W

### Laser Safety

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

### Climate Components

- Built-in air conditioning

### Standardized Connectors

- AC Mains Connector: 16A CEE
- 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
- 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

\*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)	Blue Module (455 nm)
RTI NANO 140	140 W	33 W	-	52 W	80 W