

PHAENON accurate

LASER PROJECTORS

LaserAnimation
SOLLINGER



The PHAENON accurate laser projectors are designed for all laser applications, but without the need for complex installation in advance. All components are integrated in a compact, ultra-light carbon housing. Studio equipment such as a mixing console can be connected directly via the LAN AVB interface on the projector. Even video can be connected directly and signal sources with an ILDA compliant output can also be connected.

The PHAENON accurate lasers are based on a high value laser module consisting of red, green and blue laser diodes which is developed and manufactured by LaserAnimation. Very fast CT 6210 scanners with proven TurboscanXD driver electronics guarantee clear and smooth laser projections. The intelligent LaserAnimation Sollinger Mainboard is integrated into the laser projector, which provides the laser operator with a variety of control and setting options.

Monitoring of important functions and adjusting of operating parameters are easily possible using the intuitive "LA.toolbox" software installed on PC or Mac computer.

Control Modes

AVB / TSN interface for streaming ILDA data via Ethernet, AIFF player function, stand-alone player, ILDA, control software "LA.toolbox" for PC or Mac included

Typical wavelengths:

638 nm | 520 nm / 525 nm | 445 nm

Type

CW analog modulated



Beam Diameter*

4 mm

Beam Divergence*

< 0.5 mrad

Scanner

CT 6210, Turboscan XD: 60 kpps ILDA 8°, max 80° (typical 50°), reaction time (2° opt. step): < 0,2 ms, aperture: 4 mm

Weight

max. 5.3 kg

Dimensions

L 33.1 cm x W 15.4 cm x H 10.5 cm

IP Rating

IP54

Thermal

Ambient temperature: -5°C - +50°C

Electrical Input

Power consumption: 260 W (accurate 7) | 320 W (accurate 10)

Laser Safety

- Scanfail safety circuit
- Key switch, Interlock, Emission LED

Climate Components

- Heat sink as base for all temperature relevant components
- Peltier elements for either heating and cooling
- Temperature controlled low noise fans

Standardized Connectors

- AC Mains Connector: Neutrik PowerCon TRUE1
- Projector Signal, analog: ILDA Mini Con, differential inputs
- Interlock: Mini Con (Interlock, external key switch)
- LAN AVB interface for streaming data via Ethernet

Properties

- Ultralight & compact thanks to carbon fiber housing
- CT 6210 scanners with proven TurboscanXD driver electronics
- Control via "LA.toolbox" software (electronic mask, color correction, DGC, laser disable).

*FWHM average depending on model

Laser Projector	Guaranteed output power	Red Module (638 nm)	Green Module (520 nm / 525 nm)	Blue Module (445 nm)
PHAENON accurate 7	6 W	1.6 W	2 W (520 nm)	4 W
PHAENON accurate 10	8 W	3.2 W	2.8 W (525 nm)	4 W