

# PHAENON XS

## LASER PROJECTORS

### Control Modes

AVB / TSN interface for data streaming via Ethernet, FB4 interface, AIFF player function, stand-alone player, DMX / ArtNET, control software "LA.toolbox" for PC or Mac included

### Type

RSL Gen. 3 - CW analog modulated

### Beam Specifications\*

5 mm | 0.7 mrad

### Scanner

45 kpps at 8°, max. 50°

Optional: CT-6210 Turboscan XD: 60 kpps at 8°; max. 60°

### Weight

20 kg

### Dimensions

L 28.9 cm x W 29.6 cm x H 23 cm

### IP Rating

IP65

### Thermal

Ambient temperature: 5°C - 45°C

### Electrical Input

Universal input: 85 VAC - 264 VAC, 50 - 60 Hz

Power consumption: 600 W - 800 W

### Laser Safety

- Electronic mask to define protected areas in a laser projection using controlling software
- Scanfail safety circuit
- Physically 4-way adjustable beam blocker
- Key switch, Interlock, emission LEDs

### Climate Components

- Generously dimensioned heat sink as base for all temperature relevant components
- Peltier elements for either heating and cooling
- Temperature controlled fans with high efficiency

### Standardized Connectors

- AC Mains Connector: Neutrik PowerCon TRUE1
- Remote: 3pin XLR (external key switch, interlock)
- DMX In / Thru
- LAN

### Available Upgrade Options:

- CT-6210 scanner with proven TurboscanXD driver electronics
- LA.brush hardware upgrade to modify the beam divergence

\*FWHM average depending on model



Laser Projector	Guaranteed optical power*	Minimum power at aperture	Red Module (637 nm)	Green Module (525 nm)	Blue Module (455 nm)
PHAENON XS 18	20 W	18 W	4.8 W	6.6 W	10 W
PHAENON XS 30	34 W	30 W	9.6 W	11.6 W	15 W

\*at laser modules



### Key Features

- Modular laser system with LaserAnimation manufactured red, green, and blue laser diode modules
- IP65-rated housing
- Integrated intelligent LaserAnimation Sollinger Mainboard
- Control via "LA.toolbox" software (electronic mask, color correction, DGC (Digital Geometric Correction), laser disable). Software included in delivery
- AVB / TSN interface for streaming data via Ethernet
- FB4 interface integrated

The PHAENON XS series is an ultra-compact, high-end RGB diode laser projector series designed for professional applications where power, precision and reliability are essential. The IP65-rated housing is measuring just 28.9 x 29.6 x 23 cm (without bracket and screws), the PHAENON XS devices delivers a guaranteed optical output of 20 W resp. 34 W (minimum 18 W resp. 30 W at the aperture) by combining red (637 nm), green (525 nm) and blue (455 nm,) laser diode modules into one high-intensity, focused beam - allowing reliable operation in outdoor environments under a wide range of weather conditions.

Thanks to carefully selected optical components for beam shaping, combination and focusing this system achieves a homogeneous beam profile with a 5 mm diameter and very low divergence (0.7 mrad\*), even over long throw distances.

Scanning is handled by a 45 kpps (at 8°) scanner with a maximum scan angle of 50°, while an optional CT-6210 Turboscan XD upgrade boosts performance to 60 kpps at 8° and extends the scan angle to 60°.

The modular design features a mainboard with AVB (Audio Video Bridging; internal wiring required) as well as FB4 interface, and can be equipped with LA.brush. LA.brush is a hardware upgrade that features a special optical component, capable of modifying the divergence from 0.7 mrad up to 14 mrad.

Thanks to their compact design, powerful 20W resp. 34W output and professional appearance, the PHAENON XS 18 and PHAENON XS 30 laser projectors are the ideal choice for demanding installations in clubs, theaters and on event stages, as well as for permanent laser art installations.

The PHAENON series laser projectors have been known in the industry for years for their excellent quality, exceptional reliability, guaranteed safety and high ease of use. That's why they are the first choice of numerous renowned companies from the event sector for extensive installations with lasers.

