



PHAENON XD

LASER PROJECTORS



Control Modes

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

Beam Specifications*

4.5 mm | < 0.5 mrad

Scanner

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

Weight

ca. 32 kg

Dimensions

L 42.0 cm x W 40.6 cm x H 22.3 cm

IP Rating

IP54

Thermal

Ambient tempearture: 5°C - 50°C

Electrical Input

Universal input: 85 VAC - 264 VAC, 50 - 60 Hz
Power consumption: 950 W

Laser Safety

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

Climate Components

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

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

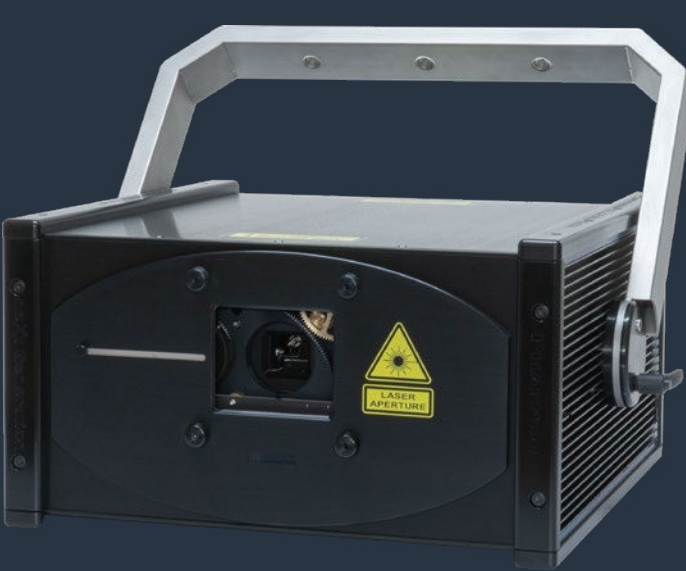
Available Upgrade Options:

- Dante2ILDA
- DSP Mark2 hardware
- Pangolin FB4
- Grating module (6 gratings)
- LA.brush hardware upgrade to modify the beam divergence
- PHAENON IP65 housing

*FWHM average depending on model



PHAENON XD COMPACT HOUSING



LaserAnimation SOLLINGER

Key Features

- Modular laser system featuring red and blue combined laser diode modules manufactured by LaserAnimation (patented combiner technology from Berlin), combined with a green and a yellow Coherent Genesis Taipan OPSL source
- 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
- Motorized beam adjustment for an exact color overlay
- CT-6210 scanner with proven TurboscanXD driver electronics
- Flightcase included

The PHAENON XD 30Y from the PHAENON XD series stands for uncompromising color reproduction at a professional level: red, green, blue and yellow are combined into a single, high-intensity beam – with a guaranteed optical output of 30 watts and at least 26 watts at the aperture.

At its core is a modular laser system by LaserAnimation, combining red and blue laser diodes with a green 532 nm and a yellow 577 nm Genesis Taipan OPSL laser source.

To ensure this interplay works reliably over the entire lifespan of the laser sources, the PHAENON XD 30Y strictly adheres to the operating temperature and current limits specified by the manufacturer. Carefully selected, expertly aligned optics for beam shaping, combination and focusing ensure a homogeneous, sharply contoured beam with low divergence – even over greater distances.

Control is handled by the intelligent LaserAnimation Sollinger mainboard, giving the laser operator extensive control and configuration options, for example via LA.toolbox, as well as modern transmission methods such as AVB.

With housing dimensions of 42.0 x 40.6 x 22.3 cm, the PHAENON XD 30Y offers ample room for its powerful technology – optionally also available in an IP65-rated version for outdoor use.

The PHAENON XD 30Y is delivered standard in a rugged flight-case.

Laser Projector	Guaranteed optical powe*	Minimum power at aperture	Red Module (638 nm)	Orange / Yellow Taipan OPSL (577 nm)	Green Module Taipan OPSL (532 nm)	Blue Module (445 nm)
PHAENON XD 30Y	30 W	26 W	9.6 W	6 W	8 W	8 W

*at laser modules



DIN EN ISO 9001:2015

