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 (XD 18)
5 mm | 0.7 mrad (XD 44 Y)

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. 22 kg

Dimensions
L 37.5 cm x W 29.1 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: 650 W - 800 W (depending on model)

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

*FWHM average depending on model

Laser Projector	Guaranteed optical powe*	Minimum power at aperture	Red Module (637 - 638 nm)	Yellow Taipan OPSL (577 nm)	Green Module Diode / Taipan OPSL (520 - 525 nm / 532 nm)	Blue Module (445 - 455 nm)
PHAENON XD 18	19.5 W	17 W	4.8 W (638 nm)		8 W (532 nm)	8 W (445 nm)
PHAENON XD 44 Y	45 W	41 W	13.2 W (637 nm)	5 W	16.1 W (525 nm)	15 W (455 nm)

*at laser modules

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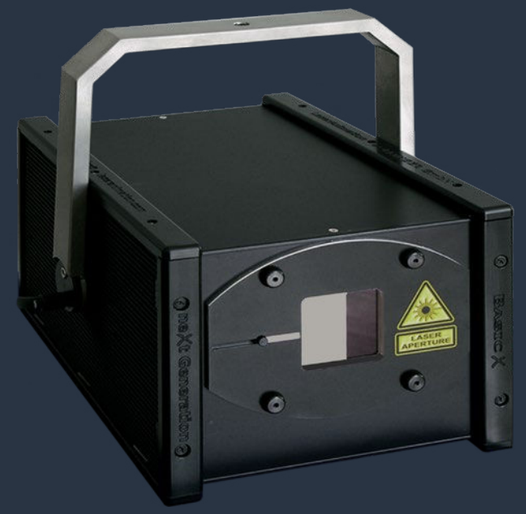
PHAENON XD mini

LASER PROJECTORS



Key Features
- Modular laser system featuring red and blue combined laser diode modules manufactured by LaserAnimation (patented combiner technology from Berlin), combined with green diodes and, additionally, yellow Coherent Genesis Taipan OPSL modules (depending on model)
- 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 mini series devices are high-end color laser projectors for professional use, with guaranteed optical outputs ranging from 19.5 to 45 watts and minimum output power at the aperture ranging from 17 to 41 watts (model-dependent). The PHAENON XD mini series comprises the PHAENON XD 18 and PHAENON XD 44 Y models, which differ in output power and color spectrum and are therefore suited to different application areas.

A modular laser system by LaserAnimation is integrated, combining laser diode modules in red, green and blue, with the PHAENON XD 44 Y additionally featuring a yellow Genesis Taipan OPSL laser source.

All laser colors are combined into a single, high-intensity focused beam.
The operating temperature and current parameters specified by the laser source manufacturers are strictly adhered to in order to maximize their lifespan. High-quality optical components for beam shaping, beam combination and focusing, along with their expert arrangement and setup, guarantee a sharp, precise beam with a homogeneous beam profile and low divergence, even over longer distances.

The projector features the integrated intelligent LaserAnimation Sollinger mainboard, giving the laser operator a wide range of control and setting options (e.g. via LA.toolbox) as well as transmission options such as AVB.

The housing dimensions of the PHAENON XD mini series are a very compact 37.5 x 29.1 x 22.3 cm. All models of the PHAENON XD mini series are also available in an IP65 housing.

The laser projectors of the PHAENON XD series are delivered in a rugged flightcase.

DIN EN ISO 9001:2015