

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*

5 mm | 0.7 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. 51 kg - 55 kg (depending on model)

Dimensions

L 53,6 cm x W 43,5 cm x H 28,8 cm

IP Rating

IP65

Thermal

Ambient temperature: +5°C - +45°C / +50°C (depending on model)

Electrical Input

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

Power consumption: max. 1600 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

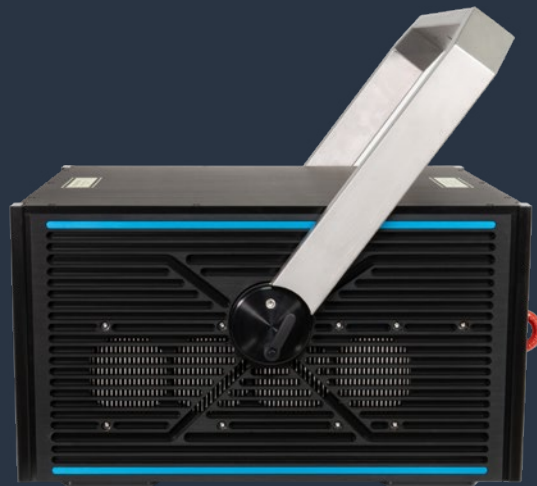
Standardized Connectors

- 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:

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

*FWHM average depending on model

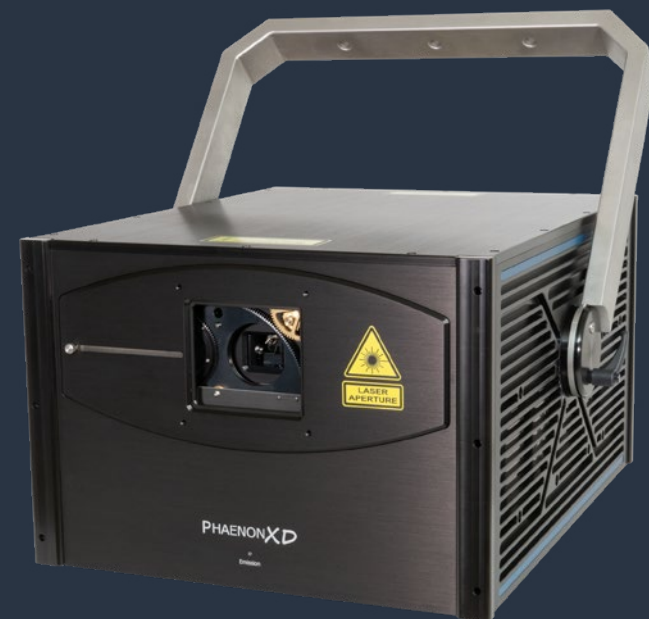


Laser Projector	Guaranteed optical power*	Minimum power at aperture	Red Module (637 nm)	Orange / Yellow Taipan OPSL (577 - 590 nm)	Green Module (525 nm)	Blue Module (455 nm)
PHAENON XD 55 O	59 W	51 W	13.2 W	5 W (590 nm)	23 W	25 W
PHAENON XD 55 Y	60 W	52 W	13.2 W	6 W (577 nm)	23 W	25 W
PHAENON XD 85 OY	87 W	77 W	13.2 W	5 W (590 nm) & 6 W (577 nm)	23 W	25 W

*at laser modules

PHAENON XD IP65

LASER PROJECTORS



PHAENON XD IP65 HOUSING

Key Features

- Modular laser system featuring red, blue and green combined laser diode modules manufactured by LaserAnimation (patented combiner technology from Berlin), together with a model-dependent Genesis Taipan OPSL source from Coherent for orange, yellow, or both (PHAENON XD 85 OY)
- Standard IP65 housing for reliable outdoor use
- CT-6210 scanner with proven TurboscanXD driver electronics
- 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
- Flightcase included

The devices of the PHAENON XD IP65 series are high-end color laser projectors for professional use, with guaranteed optical output at the laser modules ranging from 59 to 87 watts and minimum output power at the aperture ranging from 51 to 77 watts (model-dependent). The series comprises the PHAENON XD 55 O, PHAENON XD 55 Y and PHAENON XD 85 OY models.

A modular laser system is integrated, featuring red, blue and green combined laser diode modules manufactured by LaserAnimation (patented combiner technology from Berlin), together with a Genesis Taipan OPSL laser source from Coherent for orange (PHAENON XD 55 O) or yellow (PHAENON XD 55

Y). The PHAENON XD 85 OY combines both OPSL colors – orange and yellow – in a single device, enabling a particularly wide color spectrum.

The laser projectors feature particularly fast CT-6210 Turboscan XD scanners: with 60 kpps at 8°, a maximum scan angle of 80° (typ. 50°), a reaction time of under 0.2 ms (at a 2° optical step), and an aperture of 4 mm.

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. 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 housing dimensions of the PHAENON XD IP65 series are 53.6 x 43.5 x 28.8 cm. All models feature a rugged IP65 housing as standard, making them reliably suited for outdoor use in a wide range of weather conditions. All devices are delivered standard in a rugged flightcase.



DIN EN ISO 9001:2015

