Atom XR 30

PRODUCT SPECIFICATION SHEET

SPECIFICATIONS

Source | IP-rating | Type:	Semiconductor laser diode | IP65 | Full-colour RGB laser projector
Suitability:	Outdoor laser displays [atmospheric, abstract, text, animations]
System control:	FB4-SK [Ethernet, ArtNet, DMX | PC, Lighting Console or Autoplay]
Compliant with:	EN 60825-2
Weight [kg]:	14
Size [WxHxD, mm]:	209 x 194 x 408
Guaranteed opt. output:	30 watts
Installed modules R | G | B [W]:	7 | 10 | 13 *note A
Wavelengths [nm, ±5nm]:	638 | 525 | 455
Beam size [mm]:	10 x 7
Beam divergence [mrad]:	max. 1.05 mrad [full angle, **note]
Analogue modulation [kHz]:	100
X-Y scanners:	Juno 5 | 30 kpps @ 8°, max. scanning angle 40° on both axes
Power requirements [V] | Input:	100-240/50-60Hz | Neutrik powerCON TRUE1
Max. power consumption [VA]:	1000
Operation temperature [°C]:	0-40 [Monsoon protection enclosure with AC unit on request]
Included in the set:	Heavy-duty flight case, IP65 1.5M AC power cable, IP65 10M Ethernet rj45 signal cable, E-STOP Remote with IP65 10M 3-pin XLR cable, Set of 4 safety keys, Interlock bypass dongle [supplied for the USA only], USB memory stick with the user manual, QC certificate. Pangolin QuickShow laser control and creation software is available for FREE download.
HW features:	• Telemetry sensors • 360-degree swivel-sliding mounting bracket • DMX-controlled LED blinder / Device Stage Identifier (5-watt COB LED, 4000K, 920lm, focused to 10 degrees)

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	• An aiming piece with a spirit level • Scanning system overload protection • All the basic system settings and adjustments, such as power output adjustment for each colour, X & Y axes invert, X & Y size and position, etc., are managed via the built-in FB4 control interface.
Laser safety features:	Keyed interlock, emission delay, interlock microswitch, scan-fail safety, fast electromechanical shutter [reaction time <20ms], adjustable aperture masking plates, inbuilt retractable safety rope, Emergency STOP system with keyed remote and manual RESTART button.
note A:	Due to Advanced Optical Correction technology used in Kvant systems, the real power output of each laser module installed within the system may slightly differ from its specification. This doesn't affect the total guaranteed power output of the system.
note B:	The beam divergence total is calculated as an average arithmetic value of all individual colours. The divergence of each colour is calculated as: 1. FWHM of the beam cross-section for round beams, or 2. The arithmetic average of the beam's horizontal and vertical divergence for all rectangular beams.