

TECHNICAL SPECIFICATIONS

Full Color Laser Projector PHAENON AT RGB 10W

Exclusively Based on Coherent® Genesis
TAIPAN Laser Sources



Front View

Laser

Class	4				
Type	CW, analog modulated				
Beam diameter (1/e ²)	1.4mm				
Beam divergence (1/e ²) Full angle	< 1.5mrad				
Laser source	Wave-length	Power spec.	Power max.	Power D65 white	Remark
Red	639nm	2W	2 – 3W	2W	
Green	530nm	3W	3 – 4W	1.3W	Green surplus
Blue	460nm	1W	1 – 2.5W	1W	
Total output power	6W	9.5W	4.3W		
Brightness	1040 lm				
Characteristic	Well balanced system with acceptable green surplus. Polarized i.e. can be "Tandemized"				

Projector

Scanner	CTI 6210 / 6800H with Turboscan driver
Aperture	3mm
Projection angle horizontal	80° maximum / 50° typical
Projection angle vertical	80° maximum / 50° typical
Response time (2°opt. step)	0.2ms
Laser emission window	B+W antireflective coated
Built-in Options	
Grating module	Two Effect wheels: 1. With grid grating 1 (Grid WT), ultra fine line grating (Machado), special grid (Stargate) 2. With grid grating 2 (Grid XT), line grating, Lumia
"compact Mark 2"	Laser show controller

Safety Features

Key switch, Interlock loop. Emission LED
Scan fail safety
Multiple control loops with shutdown at malfunction
External mechanical beam stop

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Rear View



Connections

AC power input	Air tight chassis connector PowerCon® 3-pole
Projector signal, analog	ILDA In, ILDA Out, D-sub 25
Remote control	7pin XLR (RS232, external key switch, Interlock)
DMX In/Out (optional)	5pin XLR Jack
LAN (optional)	8pin RJ45 Jack

Electrical

AC power input	100-120VAC / 200-240VAC / 50-60Hz auto ranging, switch mode
Input power	750W maximum

Thermal

Max. ambient temperature	50°C
Min. ambient temperature	-5°C
Protective housing	IP 54
Cooling	Forced air, low noise regulated fans

Physical

Size (L x W x H)	700 x 400 x 200mm
Height with yoke	approx. 330mm
Width with yoke	approx. 480mm
Weight	approx. 28kg (without yoke, without options)
Material	Aluminum anodized, black
Construction	Dust proof housing

Conformity

CE, CDRH compliant / variance

Technical specifications subject to change without prior notice!