Core Series

Breaking new ground for laser projection value and cost of ownership the Quantum Laser Core Series are feature-packed delivering up to 30,000 hours of maintenance-free use.

Designed for maintenance-free continuous operation, the Core Series can be installed in virtually any orientation. Lightweight with a compact footprint combined with 360-degree and portrait projection enable flexible and effortless installation.

Lamp Free

The Superior Series part of our Quantum Laser™ line of projectors are deployed with solid-state laser light source technology. The complete Quantum Laser™ range is lamp, filter, mercury, and maintenance-free. The ultra-low energy usage for its class and long-standing durability and performance offers outstanding value and total cost of ownership.

Installation

Flexibility for almost every use model with front, rear, and ceiling placement as well as floor to ceiling projection, ceiling to floor, full 360-degree placement across the horizontal axis and not forgetting both landscape and portrait modes. Ideal for retail display purposes, fixed installations, bars, clubs, and restaurants.

SuperSmartProject

Our SuperSmartProject suite of power-saving, power optimisation, and utilization features and functions combine ease of use and energy saving for your everyday use. Instant power on, signal power on, instant power off, auto power-off, 10 step illumination reduction, and Dynamic Black optimization all help in enhancing your viewing experience while optimizing energy usage.

4K Support on Native 1080p Models

Simply stunning image quality with up to 1920 x 1080 native resolution and HDMI 2.0 (HDCP 2.2) 4K support. HDR compatible for like life texture details and improved image depth perception.

Core Series	INL144	INL154	INL146	INL156	INL148	INL158
IMAGE						
Projection Technology	Texas Instruments DLP®					
Panel Size	0.55"		0.65"		0.47"	
Native Resolution	XGA		WXGA		1080p	
Pixels	1024 x 756		1280 x 800		1920 x 1080	
Aspect Ratio	4:3		16:10		16:9	
Contrast Ratio	20000000:1					
Brightness (Lumens)	3100	3500	3100	3500	3000	3000
Light Source	Quantum Laser™					
Light Source Life Maximum Hours	30000					
Maximum Supported Resolution	1920 x 1080p @ 60Hz				4096 x 2160 (4K) @ 50Hz	
Horizontal Sync. Range (KHz)	15 ~ 100					
Vertical Sync. Range (Hz)	50 ~ 120					
Uniformity	85%					
OPTICAL						
Lens	1.3x Zoom					
Lens Zoom Adjustment	Manual					
Optional Lenses	-					
Image Offset (%)	115		112		116	
Focal Length (mm)	16.901 ~ 21.607					
F-Stop	2.43 ~ 2.78					
Vertical Lens shift (%)	-					
Horizontal Lens shift (%)	-					
Keystone Adjustment	Automatic/Manual					
Vertical Keystone correction	±30°					
Horizontal Keystone correction	-					
Projection Factor	1.49 ~ 1.93		1.19 ~ 1.54		1.13 ~ 1.471	
Projection Distance [m]	1.2- 9.1		1.2 ~ 7.7		1.2 ~ 7.5	
Optical Zoom	Manual					
Digital Zoom Demagnification / Magnification	0.8x ~ 2.0x					
Focus Adjustment	Manual					
CONNECTIVITY						
Analog Input	1 x Mini D-sub 15-pin (VGA), 1x Composite					
Analog Output	1 x Mini D-sub 15-pin (VGA)					
Digital Input	2x HDMI™ 1.4				1x HDMI™ 2.0 , 1x HDMI™ 1.4	
Digital Output	-					
Audio Input	1 x 3.5 mm Stereo Mini Jack					
Audio Output	1 x 3.5 mm Stereo Mini Jack					
Control	1 x RS232, 1x Micro USB					
Service	1 x Micro USB					
Powered USB for Wi-Fi Dongle	1 x USB 2.0 1.5A/2.5W					
3D Sync	-					
Full 3D Support	Yes					
3D Formats	All Major Formats Supported					
Document Reader	-					
Video Player	-					
Photo Viewer	-					
Music Player	-					
PC Less Compatibility	-					

POWER	Power Supply	100-240 V AC; 50 - 60 Hz
	Power Consumption Max[W]	161
	Power Consumption Min.[W]	138
	Power Consumption Network Standby (W)	-
	Power Consumption Standby (W)	<0.5
GENERAL	Dimensions (W x H x D) [mm]	337 x 265 x 119.3
	Weight [kg]	3.9
	Fan Noise [dB (A)]	28 ~ 30
	Audio (W)	1x 15
	Operating Temperature [°C]	0 ~ 40
	Operating Humidity [%]	0 ~ 85
	Operating Altitude (meters)	0 ~3048
	Storage Temperature [°C]	-10 ~ 60
	Storage Humidity [%]	0 ~ 85
	Security	1 x Kensington Lock Port, PIN & Timer Functions
	In the Box	Projector, IR Remote Control, Power Cord, HDMI Cable, Setup Guide
	Safety and Regulatory	CE, EAC, RoHS, cTUVus, CCC, FCC, FDA, NOM,
	Environmental	WEEE, RoHS,