

# **INL140 Ultra Short Throw Series**

Long-lasting, vivid, versatile projection



# INL140 Ultra Short Throw Series

## Quantum Colour Ultra Short Throw Laser Projectors

Part #: INL144UST, INL146UST, INL148HDUST

The INL140UST Ultra Short Throw Series combines short throw with high brightness and long-lasting laser performance that never fades. The 0.25 throw ratio of the 1080p model means that it can project a 100" diagonal image from just 55 cm away – perfect for high use settings from museums and exhibitions, to retail display and digital signage, to classrooms, control rooms, and more.

Featuring versatile desktop, ceiling mounted, downward projection, and portrait mode operation, INL140UST Series projectors work wherever you need them most. The INL140UST Series also offers advanced laser cooling for quiet, power efficient operation, along with IP5X certified dust resistance that keeps your projector running smoothly and maintenance free.

### Why choose the INL140 Ultra Short Throw Series?

- 100,000:1 contrast ratio for darker blacks and whiter whites
- 30,000-hour laser light source for 24/7 operation
- Flexible projection options
- Present wirelessly and without a PC
- Instant Power Off and Quick Resume functions
- Full 3D capability
- Remotely monitor and control over the network
- IP5X certified dust resistance

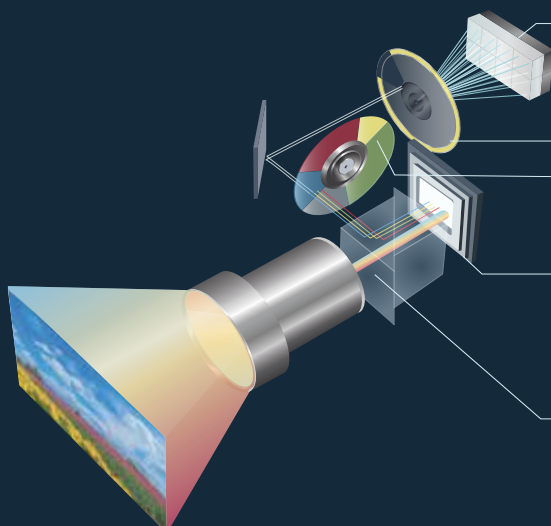


INL144UST	INL146UST	INL148HDUST
XGA	WXGA	1080p
4,000 lumens	4,000 lumens	4,000 lumens
0.33 throw ratio	0.27 throw ratio	0.25 throw ratio

### Quantum Colour Engine



The INL140 Ultra Short Throw Series is powered by the InFocus Quantum Colour Engine, producing vivid colours and exceptional image quality. The Quantum Colour Engine is based on laser phosphor illumination technology, which utilizes blue laser diodes instead of traditional lamps to illuminate the DLP chip.



#### Quantum Colour Engine Light Source

Quantum Colour Engine modules produce 4,000 ANSI lumens of high brightness output with failsafe redundancy.

#### Dual Colour Wheel System

The dual colour wheel system utilizes red, green, blue and yellow segments to generate ideal pure white and accurately saturated RGBY colors for optimally balanced image quality.

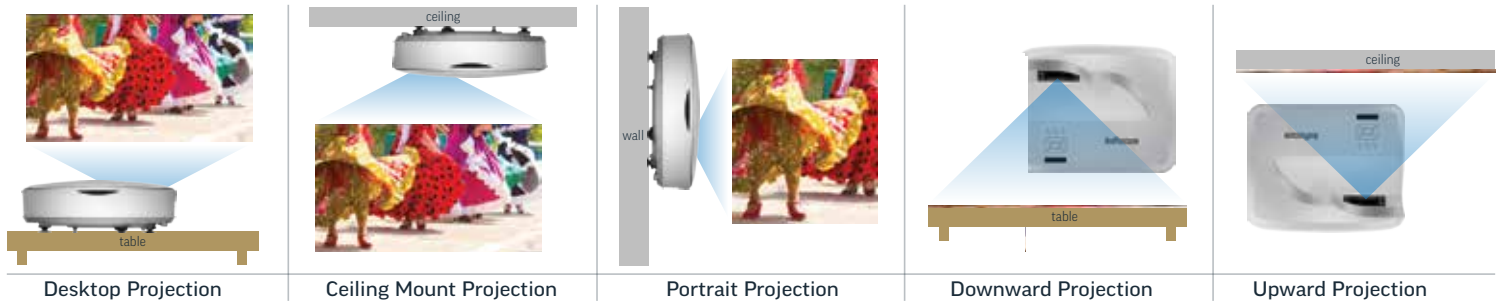
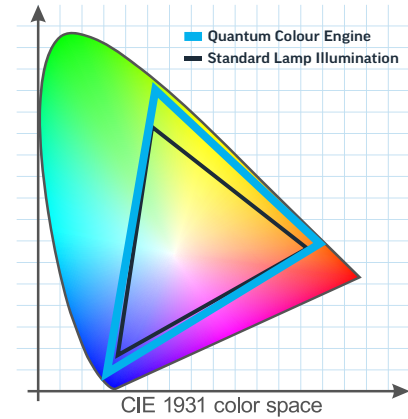
#### DLP Chip

Microscopic mirrors switch on and off thousands of times a second to project an amazingly sharp, clear image.

#### Total Inner Reflection (TIR) Prism

The TIR engine precisely focuses the center and corners of the image and evens out brightness uniformity for a smooth, comfortable viewing experience.

The Quantum Colour Engine produces vivid colours and exceptional image quality over years of continuous operation. With virtually no colour decay, the Quantum Colour Engine produces remarkable images that can be enjoyed for over 3 years of 24/7 operation or over 10 years of business hours operation.



### Ultimate Installation Flexibility

INL140 Ultra Short Throw projectors offer a wide range of versatile projection options, including downward projection, desktop projection, ceiling mounting, and portrait mode operation - ensuring a flexible solution for any professional application or challenging installation scenario.

### No Lamps to Replace

With 30,000-hour light source life, and no lamps to replace, the INL140 Ultra Short Throw Series cuts down on hassle and added expenses over time. No lamp brightness decay ensures a vivid image every time.

### PC-less & Wireless Presentation

Leave your laptop behind and present documents, display photos, and play videos or music directly from the projector. Or present content wirelessly from your device with EZ-View mirroring.

### Stunning Colours and High Contrast

Offering a wider colour gamut and saturated RGB colours, the Quantum Colour Engine produces bright, vivid colour performance. Coupled with an ultra-high 100,000:1 contrast ratio, INL140 Ultra Short Throw projectors create images that are vibrant and strikingly clear.



Standard Lamp Illumination

Quantum Color Engine

# Specifications\*

	INL144UST	INL146UST	INL148HDUST
Native Resolution	XGA (1024x768)	WXGA (1280x800)	1080p (1920x1080)
Illumination Technology	Laser Phosphor		
Display Technology	DLP 0.55" S450 DC2		DLP 0.65" S600 DC2
Phosphor Wheel/Colour Wheel	3s (YGB) / 4s (RYGB) (No colour decay)		
Preset Colour Temp	Bright = Native / PC = 7500K / Movie = 6500K		
Brightness (lumens)	4,000 / 3,200 Eco		
Contrast Ratio	100,000:1		
Uniformity - JBMA	80%		
Aspect Ratio	4:3 (Standard) / 16:9 or 16:10 (Compatible) / (Diagonal)	16:10 (Standard) / 4:3 or 16:9 (Compatible) / (Diagonal)	16:9 (Standard) / 4:3 or 16:10 (Compatible) / (Diagonal)
Projection Lens (f-stop)	F2.4 with concave mirror		
Focus	Manual		
Optical Zoom Ratio	Fixed		
Throw Distance (focus range)	18.5 - 26.4 in. / 47 - 67 cm	18.5 - 25 in. / 47 - 63.5 cm	18 - 23 in. / 45 - 59 cm
Throw Ratio	0.33 : 1	0.27 : 1	0.25 : 1
Image Size	1.78 - 2.54 Meters / 70 - 100 Inches	2.02 - 2.76 Meters / 80 - 108 Inches	2.21 - 2.59 Meters / 87 - 102 inches
Lens Shift H	N/A		
Lens Shift V/Offset	120% (+/-5%)		
Keystone Vertical	± 40°		
Keystone Horizontal	± 40°		
Input	VGA 1, VGA 2 (configurable as input or output), Video Composite, 2x HDMI v1.4, RJ45, 1 x 3.5mm Input, 2x RCA (R & W), 3.5mm Mic		
Output	VGA Out (VGA2), 3.5mm Output		
Control Input	RS232, RJ45		
Control Output	USB Type-B (Service Only)		
Basic PC Compatibility	VGA (640x480), wVGA (854x480), SVGA (800x600), wSVGA (1024x600), XGA (1024x768), wXGA (1280x800), wXGA+ (1440x900), SXGA (1280x1024), wSXGA+ (1680x1050), UXGA (1600x1200), wUXGA (1920x1200)		
Networking Compatibility	AMX Discovery, PJLink, Crestron RoomView		
Video Compatibility	Standard (NTSC, NTSC 4.43, PAL / M / N, SECAM), SD (480i, 480p, 576i), HD (720p, 1080i, 1080p)		
Document Reader	txt pdf doc xls ppt docx.xlsx pptx pps ppsx		
Video Player	AVI MP4 3GP MOV MPG MPEG MOD VOB TS TP M2T M2TS MTS WMV MKV RM RMVB DIVX 3G2 M4V FLV		
Photo Player	BMP, JPG, Jpeg		
Music Player	mp3 wma ogg wav aac flac cook ape ac3 dts ra amr m4a		
3D Compatibility	Frame Packing, Side by Side, Top and Bottom, Frame Sequential, Field Sequential, 1080p at 24 96Hz/144Hz, 3D Invert		
H~Synch Range	15K ~102K Hz		
V~Synch Range	23 ~120 Hz		
Projection Mode	Front, Front Ceiling, Rear, Rear Ceiling, Downward, Portrait		
Lamp Power (Eco/Normal)	53.2 W / 76 W		
Light Source Life	30,000 hours		
Standby Power	<0.5w low power standby <2W networked standby		
Power Consumption	Full : 280W±15% @110V ECO : 180W±15% @110V	Full : 330W±15% @110V ECO : 210W±15% @110V	Full : 335W±15% @110V ECO : 225W±15% @110V
Noise	28 dB(A) Eco		
Power Supply Range	100V - 240V @ 50~60 Hz		
Operating Altitude	Sea Level to 10,000 feet (@73°F); must manual switch to high-altitude mode at 5,000 feet & above		
Store Temperature	-20°C ~ 60°C		
OSD Languages - 18 Languages	English, German, French, Italian, Spanish, Portuguese, Polish, Dutch, Norwegian, T. Chinese, S. Chinese, Japanese, Korean, Russian, Arabic, Turkish, Swedish, Danish		
Documentation Languages - 18 Languages	English, German, French, Italian, Spanish, Portuguese, Polish, Dutch, Norwegian, T. Chinese, S. Chinese, Japanese, Korean, Russian, Arabic, Turkish, Swedish, Danish		
Certifications	UL and c UL, FCC, CE, KCC, NOM, PSB, SABS, CB, Nemco/GS, EAC		
Security	Security Bar, Kensington Lock, Password Protected Interface		
Speaker	10W Speaker		
Dimensions	383mm x 310mm x 86mm (15.1" x 12.2" x 3.39")		
Weight	5.5kg (12.1lbs)		
Shipping Weight	8.9Kg (19.6lbs)		
Shipping Dimensions	518mm*420mm*328mm (20.3" x 16.54" x 12.91")		
Remote Control	INA-REMPJ002		
Ships with - Accessories	User Manual (CD), Quick Start Guide, Warranty Card, VGA Cable (1.8m), Regional Power Cord (1.8m), Remote Control (without batteries)		
Other Features	3D ready (DLPLink), image zoom and magnification, optional dust filter, screen freeze and blanking, user preset modes plus Bright, PC, Movie, and Game presets, five wall colour preset modes, individual colour adjustment (hue/saturation/gain), user logo capture, closed captions, built-in test patterns, video and audio playback looping, EZ-View mirroring		

\* Product specifications, terms, and offerings are subject to change at any time without notice.

## Optional Accessories

Universal Ceiling Mount (PRJ-MNT-UNIV)

Ultra Short Throw Value Wall Mount (PRJ-WALLKIT-14)

LiteShow Wireless Adapter (INLITESHOW4)

LiteShow Mount (PRJ-MNT-LS3)

DLP Link 3D Glasses by XPAND (X103-EDUX3-R1)

SimpleShare Touch Presentation System (INA-SIMINT1)

SimpleShare Presentation System (INA-SIMPS1)

SimpleShare (INA-SIMS1)

Soft Carry Case (CA-SOFTCASE-VAL3)

Presenter 2 RF Remote (HW-PRESENTER-2)

Extended warranties (PROJ-EW1YR-V, PROJ-EW2YR-V)