

Specification



Projector Model	HT-Q135U	HT-Q155U	HT-Q185U	HT-Q205U	HT-Q235U
Display Type	DLP? Chip ×1, DLP? Projection System				
Chip Size	0.8" (16:10 Aspect Ratio)				
Pixels	2,304,000 (1920×1200) Pixels				
Native Resolution	1920x1200(WUXGA)				
Light Source	Laser Light Source				
Brightness	13500lm	15500lm	18500lm	20500lm	23500lm
Contrast Ratio	5,000,000:1 (Dynamic)				
JBMA Uniformity	≥95%				
Light Source Lifespan	20,000 Hours (Standard Mode), 25,000 Hours (Eco Mode)				
Lens	Centered Design, Motorized Zoom / Focus, Multiple Optional Lenses				
Color Wheel	3-Color Phosphor Wheel + Glass Color Wheel				
Color Wheel Speed	7200 RPM				
Color Gamut	>100% REC709				
Keystone Correction	Vertical / Horizontal ±30° Keystone Correction, 4-Corner Adjustment				
Image Aspect Ratio	4:3, 16:9, 16:10, 16:6 (4 Selectable Aspect Ratios)				
Max Supported Resolution	Up to WUXGA 1920×1200				
Light Source Power	8×55W Blue Laser		8×55W Blue + 4×13.5W Red Laser	8×68W Blue + 4×27W Red Laser	8×68W Blue + 4×27W Red Laser + 2×22.6W Green Laser
Total Power Consumption	1000W±10%	1100W±10%	1200W±10%	1300W±10%	1400W±10%
Minimum Standby Power	<0.5W				
Input Interfaces	VGA (15-pin) ×1, DP ×1, DVI ×1Audio In (3.5mm) ×1, HDMI (v1.4 with Audio) ×2, 3G-SDI ×1LC Fiber Port ×1 (Video Transmission over 1000m), HD BaseT ×1, USB-A (Power Supply) ×1				
Output Ports	VGA Computer Output (15-pin) ×1, Audio Out (mini 3.5mm jack) ×1, 3D SYNC OUT ×1				
Control Ports	RS232 In ×1, RS232 Out ×1, MINI USB ×1, RJ45 ×1				
IR Remote Sensor	4-directional				
Air Inlet / Outlet	Air intake on left, air exhaust on right				
Noise (Typical)	44dB @25°C				46.dB @25°C
Housing Material	Plastic + Painted Sheet Metal				
Color	Black				
Dimensions (W×D×H)	610mm×590mm×210mm		648mm×590mm×210mm		
Weight	<35KG		≤38KG		

- Selectable Lens

Lens model	HT-LQ053	HT-LQ076S	HT-LQ160S	HT-LQ270S	HT-LQ450S
Throw ratio	0.53:1	0.76-1.20:1	1.6-2.7:1	2.7-4.5:1	4.5-7.2:1
Displacement	Vertical: -40%TO+40% Horizontal: -20%TO+20%	0.76:1during: Vertical ±13%; Horizontal±5% 1.20:1during: Vertical ±60%; Horizontal±20%	Vertical: -50%TO+50% Horizontal: -20%TO+20%	Vertical: -50%TO+50% Horizontal: -20%TO+20%	Vertical: -50%TO+50% Horizontal: -20%TO+20%

★ Notes

The relevant measurement methods and labeling methods comply with the ISO/IEC21118:2020 international standard. For detailed specifications and functional operation instructions, please refer to the product instruction manual. This product specification is for reference only. If there is any error or change, please refer to the actual product without prior notice. The operating environment and method will affect the service life of the projector. The data listed are only maximum values and are not guaranteed hours.



DLP Laser Engineering Projector

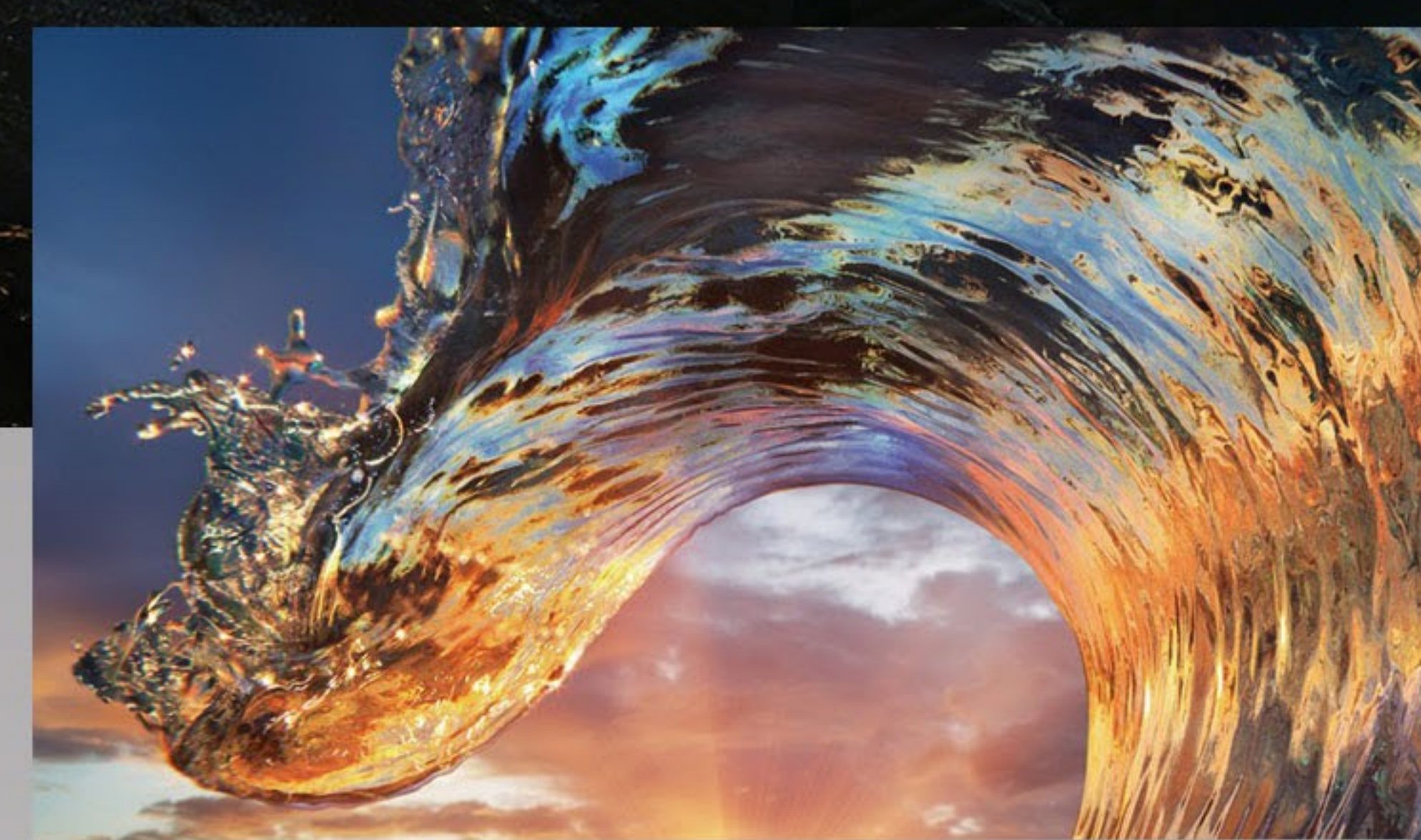
Premium Engineering - Q Series
HT-Q135U /HT-Q155U /HT-Q185U/
HT-Q205U/HT-Q235U

Boundless Light
Extra-Ordinary Vision

Ultra Bright · Ultra Stable · Ultra Long Throw



Designed primarily for outdoor scenarios



Precise Color

SLPL technology diffuses the light spot of the matrix light source system multiple times to achieve a JBMA uniformity of over 95% for solid-color images. With color re-transmission algorithm and precise light-source control, solid-color images are as uniform as a mirror surface.



Ultimate Color

Ultimate color technology adopts RGB 3-color phosphor wheel + glass color wheel to deliver brilliant color performance, with color gamut >100% REC709. Flicker-free technology uses proprietary algorithms to eliminate screen flicker and protect eye health.

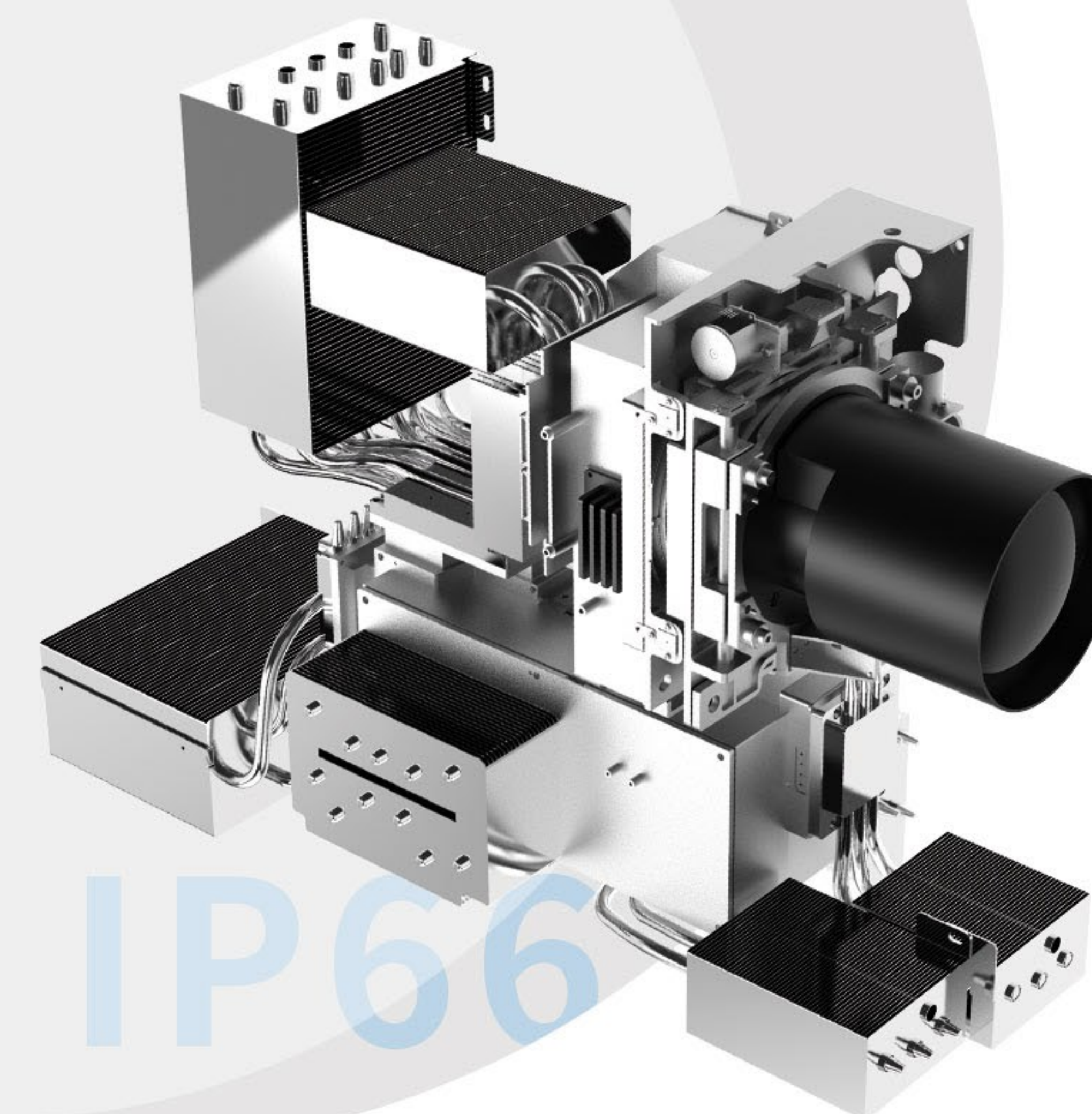


Dark Field Processing

Equipped with proprietary Current variable frequency control system for dark field processing. When the frame is fully dark, the system switches instantly to achieve superior dark-level performance.

Multi-scenario Applications

Outdoor Lighting | Stage Design | Large Conference Hall | Cultural Tourism | Exhibition & Display | Theme Pavilion



IP66

Fully Enclosed Light Source System for Stable & Long-lasting Performance

Adopting a fully sealed light source with IP66 protection rating. It maintains full functionality even when submerged in shallow water. Superior optical protection of the whole projector prevents dust from damaging core components in harsh and complex engineering environments.

Powerful TEC cooling technology rapidly dissipates heat generated by the light engine, delivering a constant-temperature operating environment and ensuring long-term stable operation. Verified by tests, it can still output reliable and stable images even under extreme conditions (high-altitude mode).



Dustproof



Waterproof



High-temperature
esistant



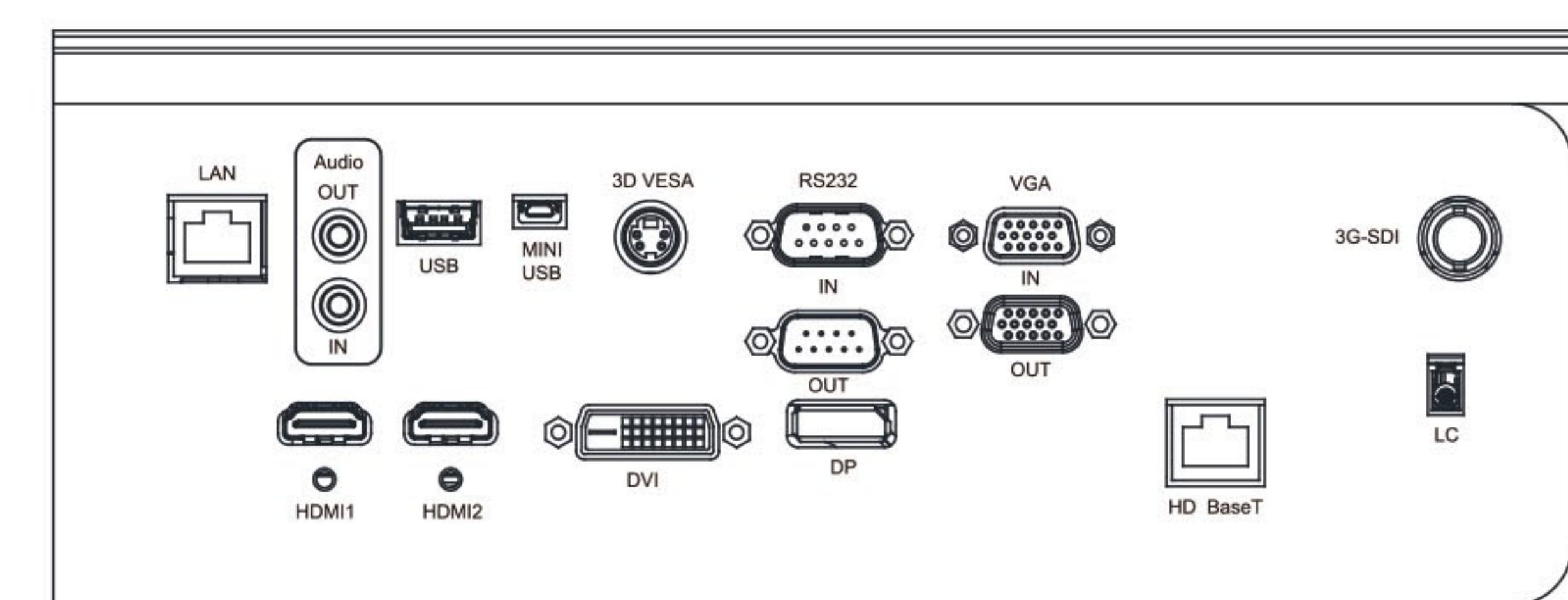
High Altitude

Multiple Optional Lenses

The high-end engineering Q series supports a variety of interchangeable lenses according to actual application scenarios. Available throw ratio range: 0.53~7.2:1. It flexibly adapts to ultra-short throw and long-distance applications, with wide lens shift and flexible installation.



Rich Interfaces



LC Fiber Direct Connection, long-distance transmission over 1000m

Fiber port supports long-distance fiber video signal transmission directly via LC connector without patch cords, with transmission distance up to 1000 meters.

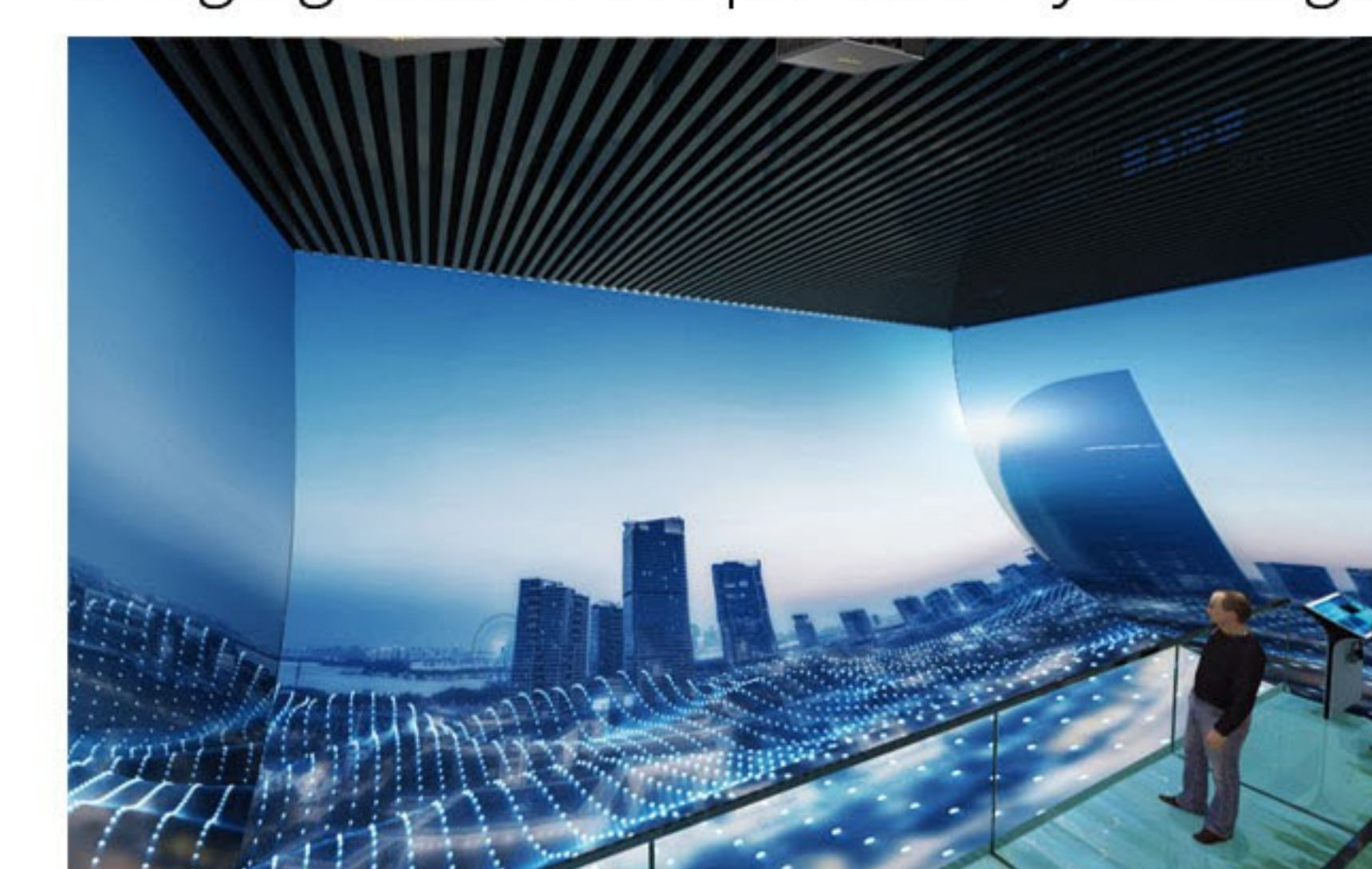
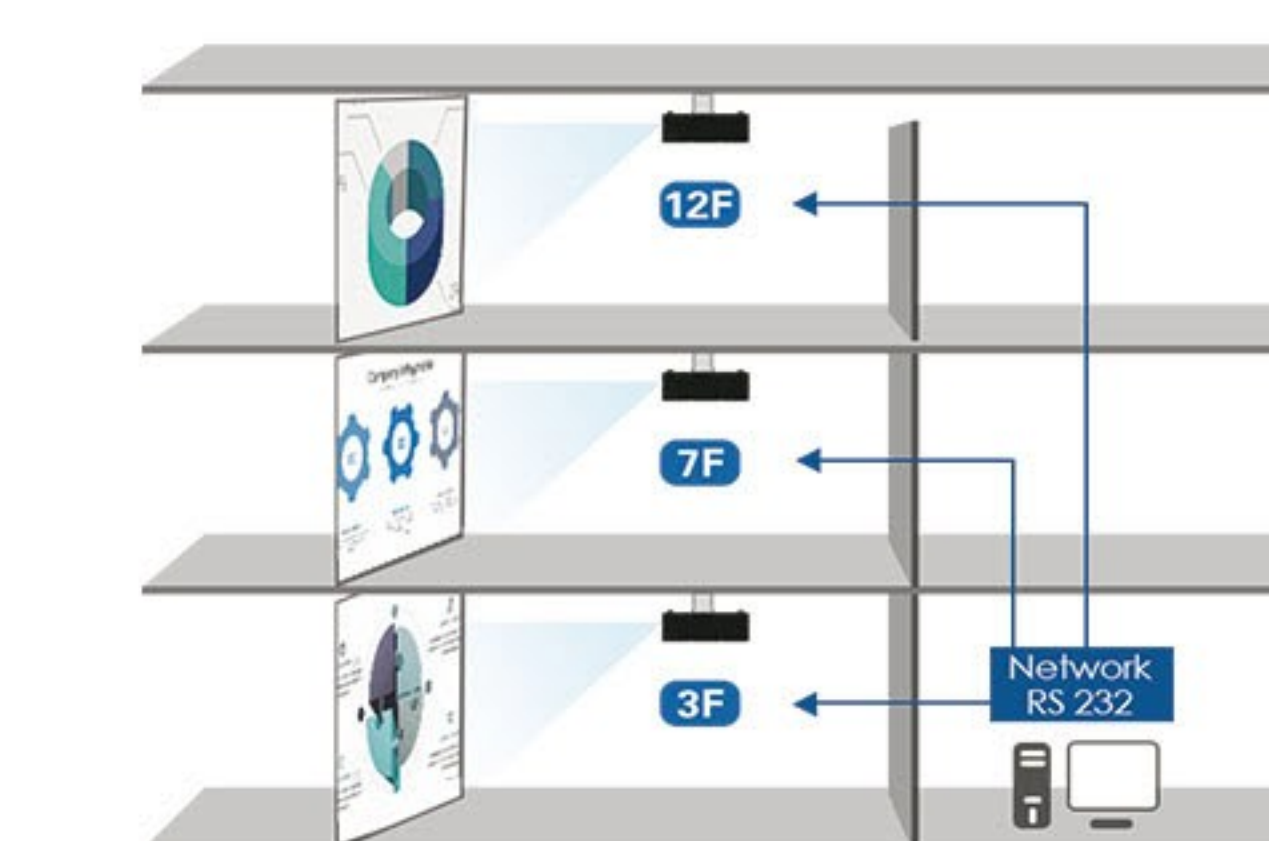
DP2.0 High-speed Digital Interface

A full set of digital interfaces enables seamless audio & video transmission. The high-speed DP2.0 digital interface delivers bandwidth up to 80Gbps, which is 1.6 times that of HDMI2.1.

- HDBaseT, signal transmission up to 150m
- VGA/HDMI Source Power-on

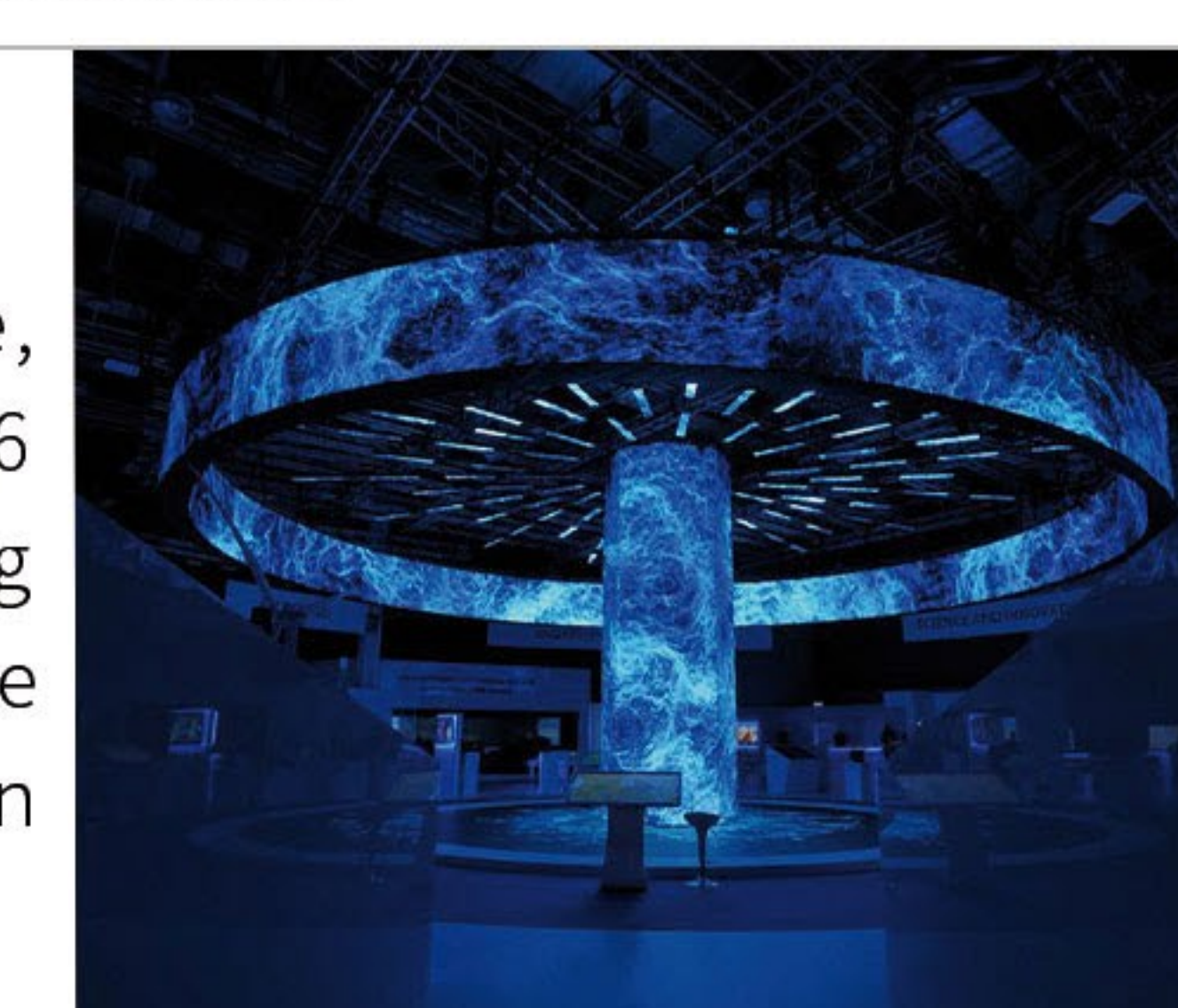
Multiple Control Protocols

The projector supports serial, network and other control methods, with RS232C, PJLink, Web and other control protocols for remote OSD menu control. It also reserves feedback ports for firmware upgrade. Combined with external equipment, it can synchronize lighting, audio and other auxiliary devices, bringing excellent expandability for stage and large-screen conference applications.



3D Color Management

Independently adjust hue, saturation and gain of 6 primary colors, ensuring consistent color performance across multiple projectors in the same space.



Easy Installation



Keystone Correction &
4-Corner Adjustment

Timed Lock Function

- Powerful software protection system enables timed lock via decoding algorithm, providing comprehensive software protection.
- Supports 16:9 aspect ratio (4 optional aspect ratios available)



- Remote ID setting; remote controller with laser pointer
- Power-on directly upon power supply, auto power-off by timer; instant on/off with zero waiting time
- One-touch blank screen function
- Energy-saving design: standby power consumption <0.5W; auto power saving when no input signal

ID SET

