



# TWTLS-20

**20K Lumens Professional  
LASER PROJECTOR**



# 01

## APPEARANCE

### Model : TWTLS-20



# 02

## MAIN FEATURES

- ❖ 20000H hours of real-time with the new light source of Laser;
- ❖ LCD display (LCD) technology: WUXGA (1920x1200);
- ❖ 6 optional lenses, for your choice. Flexible installation
- ❖ Focus/ Zoom function;
- ❖ Lens shift function
- ❖ Edge blending function.
- ❖ 3G-SDI functions are optional to realize long-distance transmission of HIGH-DEFINITION signals and meet diversified needs of users
- ❖ HDBaseT function.
- ❖ Perfect combination of high brightness and color;
- ❖ Multi-interface, dual HDMI input;
- ❖ Logo (Logo select, Capture, Logo PIN code lock and Logo PIN code change) function;
- ❖ Blank design. Tap the button, the projector will switch into blank screen status immediately for prevention of information leakage;
- ❖ Various projection mode;
- ❖ On and Off instantly;
- ❖ 0.55W ultra-low power consumption on standby mode;
- ❖ Industrial design. ESD filter (static) - dustproof design and filter check function automatically;
- ❖ Logo PIN Code lock and Kensington lock to anti-theft function;
- ❖ Abnormal log management and troubleshooting function;

### ➤ **Breathtaking Images In Any Setting**

TWTLS-20 faithfully displays native WUXGA resolution (1920\*1200) images, 0.76\*3LCD WUXGA liquid crystal display technology, can support 4K signal input, and can perform well in image noise reduction, dynamic frame insertion, etc. Through the independent control technology of the color sensor, the color of the output picture is balanced, the picture quality is exquisite and delicate, and the color output of the light source is guaranteed to be consistent.

### ➤ **Immersive, Seamless Images On Any Scale**

Remarkably quiet and compact, TWTLS-20 features a familiar four corner mount design that's ideally suited to multi-projection installations including large exhibitions, gallery spaces and planetarium domes. reduces the visibility of intrusive banding when multiple projector images are edge-blended to create a super-sized picture.

### ➤ **Immense Colour, Undimmed**

TWTLS-20 independent correction technology can adjust the saturation of each color independently to present a more vivid picture. The immense colour accuracy of TWTLS-20 makes it a compelling choice for environments such as art galleries and museums.

### ➤ **Liquid Crystal Laser Phosphor Technology**

The independent control design of two sets of laser light sources greatly improves the laser utilization rate, and optimizes the control of yellow to improve the performance of red and green. The use of inorganic liquid crystal panel and fluorescent wheel, heat resistance and anti-aging, to ensure a long life of more than 20,000 hours, stable high-brightness output.

### ➤ **Airtight Internal Circulation Dust-proof Heat Dissipation Design**

The core optical engine part of the LCD panel is truly fully sealed, assisting the dual-channel internal and external independent airflow circulation cooling technology, effectively solving the heat dissipation problem of the closed optical machine, and efficiently diverting the air in and out of the projector cabinet. The dust-proof design not only realizes full airtightness on the whole machine mechanism, but also increases the advanced sealing treatment for different parts of the components, so as to achieve better airtight and dust-proof effect.

### ➤ **Ultra-quiet Air Cooling Technology**

The liquid crystal cooling method of ordinary LCD projectors is single-sided air intake. TWTLS-20 simultaneously intake air from both sides of the LCD panel. The two airflows generate a spiral air flow in the middle of the LCD panel, which can evenly dissipate the liquid crystal panel. This design can extend the life of the LCD panel and polarizer, while reducing fan noise.

### ➤ **Various Picture Correction Functions**

Supports horizontal and vertical  $\pm 30^\circ$  keystone correction, supports four-corner correction, six-point correction, multi-point correction, and supports projection on curved surfaces such as spherical and arc screens. There is no need to precisely calculate the placement of the projector, just use the remote control to perform geometric correction, so as to present a projected image with a suitable proportion.

### ➤ **A Variety Of Memory Function Lenses Are Optional**

Up to 6 types of memory function lenses are available, and two types of standard mirrors, manual and electric, are available, which effectively solve the user's budget pain points. Wide lens shift range, support motorized lens shift, zoom, focus, no need to re-adjust the lens when switching between different signal sources.

## 03

## FEATURES

### ➤ 360° Free Rotation Installation

Support horizontal and vertical omnidirectional 360° installation, providing more solutions.

### ➤ Network Management, Support Remote Monitoring Of Projectors

It supports "CRESTRON VIEW" and "PJLINK", and can manage the status and operation of multiple projectors' LAN, power ON/OFF, and input source switching through the network.

### ➤ Support USB Direct Reading

With a USB interface, it supports direct reading of U disk and realizes offline projection. There is no need to carry a laptop when going out for presentations, and it has outstanding performance in terms of mobility.

### ➤ Multiple Interfaces

HDMI,SDI,LAN,HD BaseT, DVI-D,etc

## 04

## SPECIFICATIONS

	<b>Projector Type</b>	Liquid Crystal Display 3x0.76"WUXGA
	<b>Chip Size</b>	3*0.79'
	<b>Native Resolution</b>	WUXGA (1920×1200)
<b>Main Spec</b>	<b>Brightness</b>	20,000 Lumens
	<b>Uniformity</b>	90%
	<b>Contrast</b>	3000000:1
	<b>Aspect Ratio</b>	16:10:Native / 4:3 Compatible
<b>Light Source</b>	<b>Type</b>	Laser Technology
	<b>Life</b>	Standard :20000 hours Eco Mode:25000hours

<b>Projector Lens</b>	Projector Lens	1.3-3.02:1/2.3x (20000)
	Throw Ratio	(0.36~5.50)
<b>Keystone Correction</b>	H	±50°
	V	±30°
<b>Projection Method</b>	Ceiling,Front,Rear	
	DVI-Dx1	
	HDMI 1.4(SupportHDCP*3)x1	
	15-pin Mini-Dsubx1	
	HDBaseT*4x1	
<b>Input</b>	Ceiling,Front,Rear	
	DVI-Dx1	
	HDMI 1.4(SupportHDCP*3)x1	
	15-pin Mini-Dsubx1	
	HDBaseT*4x1	
<b>Output</b>	15-pin Mini-Dsubx1	
	HDMI 1.4(Support HDCP*3) OUTx1	
	3D-Sync x1	
<b>Power Input( Voltage&amp;frequency)</b>	100-240V AC±10%,50/60Hz	
<b>Power Consumption</b>	Normal:850W,ECO:750W	
<b>Case Material</b>	Molded Plastic	
<b>Standby Power Consumption</b>	< 0.5W	
<b>Dimension Dxwxh</b>	600*218*503mm	
<b>Net Weight</b>	About 28.5 kg	
<b>Noice</b>	Normal:35dB ECO:33dB	
	High Altitude	0m-2500m(>1500m Using High Altitude Mode)
<b>Working Temperature*5</b>	Temperature	5-40°C,
	Humidity	10%-85%

## TWT APPLIED TECHNOLOGY AND SERVICES PTE LTD

