

## TKI-LL620K / TKI-LL620U / TKI-LL620X

6,200 ANSI lm 4K@60Hz 5,000,000:1

6,200 ANSI lm WUXGA 5,000,000:1

6,200 ANSI lm XGA 5,000,000:1



### Multi-purpose Installation type LCD Laser Projector with Powerful Performance

#### Excellent Performance and Versatile Functions

##### □ Long-life Eco-friendly Laser Source

- Long Lifetime : 30,000 hours (ECO)
- Clear Image by High Brightness Source
- Mercury-free and Eco-friendly

##### □ 4K Ultra High Resolution Image

- TKI-LL620K : 4K@60Hz INPUT/OUT
- TKI-LL620U/X : 4K INPUT support
- Pixel Sharpness and Color Enhanced

##### □ The Best Brightness and Contrast Ratio

- Brightness : 6,200 ANSI lms
- Contrast Ratio : 5,000,000:1

##### □ Optical Zoom / Digital Zoom

- Manual Optical Zoom : 1.6x
- Digital Zoom : 33x

##### □ Various Input/Output Support

- HDMI x2 / RGB x1
- Audio / USB
- RJ45 / RS232

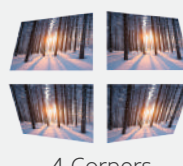
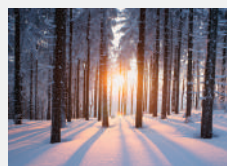
##### □ Versatile Convenience Features

- USB memory viewer / display function
- Network control / display function
- Security, Automatic setting function, etc.

#### Easy Installation and Maintenance

##### □ Powerful Keystone Function

- Support various surface with 6 Corners, Curved Correction, Grid Correction, etc



4 Corners



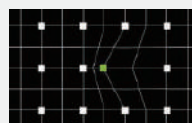
Horizontal/Vertical



Pincushion/Barrel



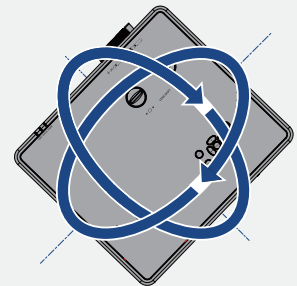
6 Corners



Grid Correction (187 points)

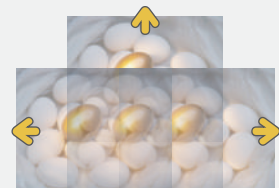
##### □ Tilt Free

- 360° Free Installation



##### □ Lens Shift

- Vertical 0~+50%/0~+60%
- Horizontal ±22%/±30%



##### □ 16W Built-in Speaker

##### □ Excellent Anti-dust System

- Longer Device and Light Source Life Time

##### □ Edge Blending

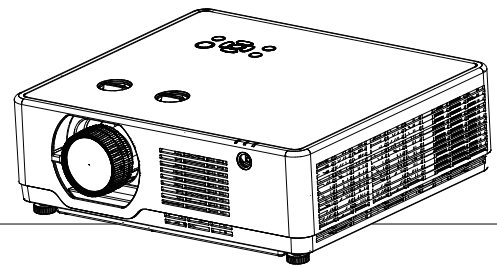
- Panoramic Image Support

# Multi-purpose LCD Laser Projector with Powerful Performance

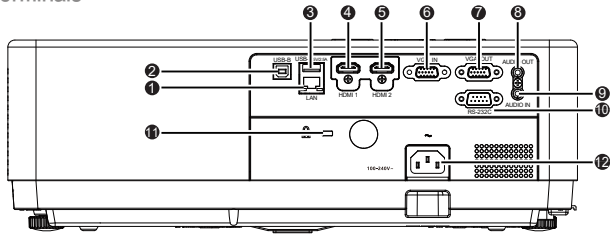
**TKI-LL620K** 6,200 ANSI lms 4K@60Hz 5,000,000:1

**TKI-LL620U** 6,200 ANSI lms WUXGA 5,000,000:1

**TKI-LL620X** 6,200 ANSI lms XGA 5,000,000:1

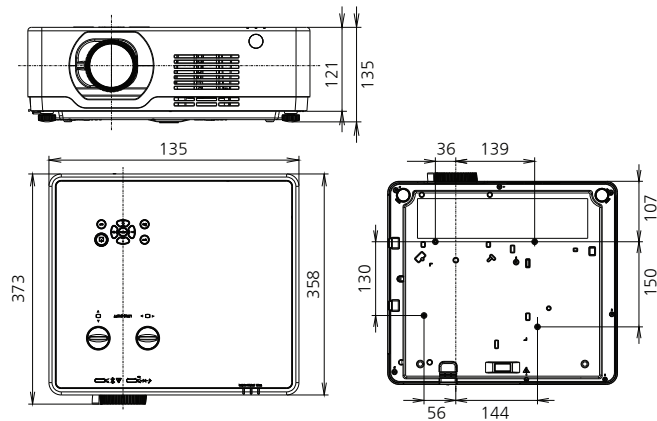


## Terminals



① LAN ② USB-B IN ③ USB-A IN ④ HDMI 1 IN ⑤ HDMI 2 IN ⑥ VGA IN ⑦ VGA OUT  
⑧ Audio OUT ⑨ Audio IN ⑩ RS232C ⑪ Kensington Lock ⑫ Power IN

## Dimensions



## Projection Distance

Model	TKI-LL620K / TKI-LL620U					
Resolution	WUXGA					
Ratio	16:10			16:9		
Screen	Size	Min	Max	Size	Min	Max
30 inch	0.6 x 0.4	0.8	1.2	0.7 x 0.4	0.8	1.2
100 inch	2.2 x 1.3	2.7	4.2	2.2 x 1.2	2.8	4.3
150 inch	3.2 x 2.0	4.0	6.4	3.3 x 1.9	4.1	6.6
200 inch	4.3 x 2.7	5.3	8.5	4.4 x 2.5	5.5	8.8
300 inch	6.5 x 4.0	8.0	12.2	6.6 x 3.7	8.2	13.2

Model	TKI-LL620X					
Resolution	XGA					
Ratio	4:3			16:9		
Screen	Size	Min	Max	Size	Min	Max
30 inch	0.6 x 0.5	0.8	1.3	0.7 x 0.4	0.8	1.4
100 inch	2.0 x 1.5	2.8	4.5	2.2 x 1.2	3.0	4.8
150 inch	3.0 x 2.3	4.2	6.8	3.3 x 1.9	4.4	7.3
200 inch	4.1 x 3.0	5.6	9.1	4.4 x 2.5	5.9	9.7
300 inch	6.1 x 4.6	8.4	13.8	6.6 x 3.7	8.9	14.6

\* Unit: m / All measurements are approximate and may vary from the actual size(±7%)

## Specification

Model	TKI-LL620K	TKI-LL620U	TKI-LL620X	
Brightness	6,200 ANSI lumens			
Panel	Projection	LCD		
	Type	3x 0.64"	3x 0.63"	
	Resolution	4K Enhanced	WUXGA	XGA
	Support	4K@60hz	4K	4K
Contrast Ratio	5,000,000:1			
Aspect Ratio(Compatible)	16:9(4:3)	16:10 (4:3/16:9)	4:3 (16:9)	
	Type	Laser		
	Mode	Normal / ECO		
Light Source	Lifetime	Normal 20,000 Hrs / ECO 30,000 Hrs		
	Screen Size	30"~300"		
Lens	Throw Ratio	1.08~1.76:1	1.22~1.98:1	1.34~2.24:1
	Zoom/Focus	Manual (Optical 1.6x / Digital 33x)		
	F	1.58~2.02	1.70~2.21	1.50~2.08
	f	15.3~24.6 mm	17.4~29.0 mm	17.2~27.7mm
	Lens Shift	V +55% H ±22%	V +60% H ±30%	V +60% H ±30%
Keystone	Vertical	±30° (Manual)		
	Horizontal	±30° (Manual)		
	Support	Pincushion/Barrel, 4 Corners, 6 Corners, Grid		
I/O	IN	2x HDMI 1x VGA (15 pin Mini D-sub RGB) 1x Audio (L/R RCA) 1x RJ45 (Display) 1x USB A (Display) 1x USB B		
		OUT	1x VGA (15 pin Mini D-sub RGB) 1x Audio (3.5mm Stereo Mini Jack)	
	Control		1x RS232C (D-sub 9 pin) 1x RJ45 (Control) 1x USB B (Upgrade)	
		Functions	Auto Ceiling, Auto Keystone, Freeze, Blank, Tilt Free, Auto Search, Auto Suspend, Auto PC Setup, etc.	
Speaker	1x 16W			
Noise	38 dB (28 dB)	37 dB (27 dB)		
Temperature	5~40°C (Normal)			
Rated Voltage	100~240V@50/60Hz			
Power Consumption	390W (170W)	350W (230W)		
Standby Power	<0.5W			
Dimension	405 x 358 x 136 mm			
Weight	7.9 Kg			



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\* Appearance and specifications are subject to change without prior notice for performance improvement.

## TKI-LL1400U / TKI-LL1200U / TKI-LL910U

13,000 ANSI lms WUXGA 5,000,000:1

11,000 ANSI lms WUXGA 5,000,000:1

9,000 ANSI lms WUXGA 5,000,000:1



### Ultra High Brightness Installation type LCD Laser Projector with Excellent Color and Cost-effectiveness

#### Excellent Performance and Versatile Functions

##### □ Long-life Eco-friendly Laser Source

- Long Lifetime : 30,000 hours (ECO)
- Clear Image by High Brightness Source
- Mercury-free and Eco-friendly

##### □ 4K High Resolution Support

- Support Resolution : VGA~4K

##### □ The Best Brightness and Contrast Ratio

- Brightness : 9,000~13,000 ANSI lms
- Contrast Ratio : 5,000,000:1

##### □ Various Input/Output Support

- HDMI x2 / RGB x1
- Audio / USB
- RJ45 / RS232
- HDBaseT

##### □ Diverse Option Lenses

- Standard (Motorized / Manual)
- Middle / Long
- Short / Ultra Short Throw

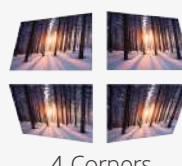
##### □ Versatile Convenience Features

- Network Control / Display
- User Logo Screen, Security, etc.

#### Easy Installation and Maintenance

##### □ Powerful Keystone Function

- Support various surface with 6 Corners, Curved Correction, Grid Correction, etc



4 Corners



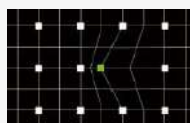
Horizontal/Vertical



Pincushion/Barrel



6 Corners



Grid Correction (187 points)

##### □ Edge Blending

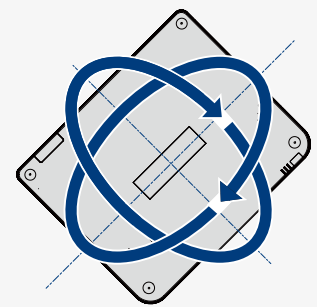
- Panoramic Image Support

##### □ Excellent Anti-dust System

- Longer Device and Light Source Life Time

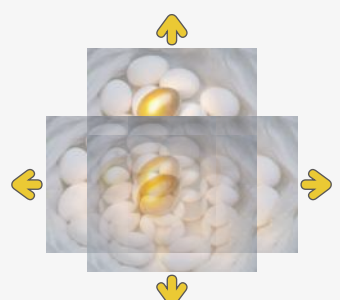
##### □ Tilt Free

- 360° Free Installation



##### □ Lens Shift

- Vertical 60%(-10~+50%)
- Horizontal ±20%

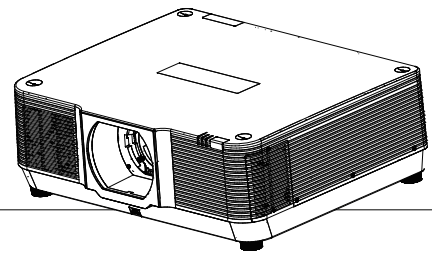


# Ultra High Brightness LCD Laser Projector with Excellent Color

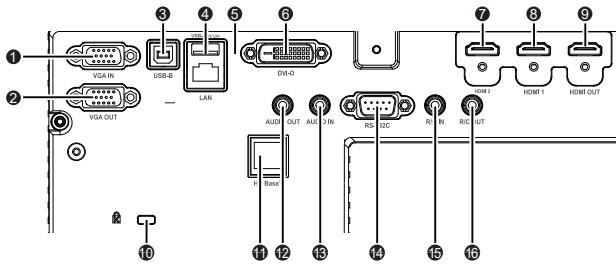
**TKI-LL1400U** 13,000 ANSI lms WUXGA 5,000,000:1

**TKI-LL1200U** 11,000 ANSI lms WUXGA 5,000,000:1

**TKI-LL910U** 9,000 ANSI lms WUXGA 5,000,000:1



## Terminals



- ① VGA IN ② VGA OUT ③ USB-B IN ④ USB-A IN ⑤ LAN ⑥ DVI-D IN ⑦ HDMI 1 IN  
⑧ HDMI 2 IN ⑨ HDMI OUT ⑩ Kensington Lock ⑪ HDBaseT ⑫ AUDIO OUT  
⑬ AUDIO IN ⑭ RS232C ⑮ R/C IN ⑯ R/C OUT

## Projection Distance (16:10)

※ Distance unit : m

Option Lens	TK-OLS	TK-OLPS	TK-OLPUST
Type	Standard	Standard	Ultra short throw
Zoom/Focus	Manual	Motorized	Motorized
F	1.7~2.37	1.7~2.0	2.0
f	24.4~48.6	21.8~49.8	6.27
Throw Ratio	1.46~2.95:1	1.3~3.02:1	0.32:1
Screen Size	40~500 inch	50~500 inch	97~400 inch
Performance	40~200 inch	80~200 inch	100~350 inch
50 inch	1.53~3.04	1.38~3.22	-
80 inch	2.53~5.08	2.24~5.18	0.07~0.55
100 inch	3.17~6.36	2.81~6.49	0.09~0.69
150 inch	4.78~9.57	4.23~9.76	0.45~1.06
200 inch	6.38~12.78	5.66~13.03	0.82~1.42
250 inch	7.99~15.99	7.08~16.29	1.18~1.79
300 inch	9.60~19.19	8.51~19.56	1.55~2.15
400 inch	12.82~25.61	11.36~26.10	2.28~2.88
500 inch	16.03~32.03	14.21~32.36	-

Option Lens	TK-OLPST	TK-OLPLT	TK-OLPULT
Type	Short throw	Long throw	Ultra long throw
Zoom/Focus	Motorized	Motorized	Motorized
F	1.7~2.37	1.7~2.0	2.0
f	24.4~48.6	21.8~49.8	6.27
Throw Ratio	0.79~1.11:1	2.99~5.93:1	4.59~7.02:1
Screen Size	50~500 inch	50~500 inch	60~500 inch
Performance	80~200 inch	80~200 inch	80~200 inch
50 inch	0.83~1.17	3.29~6.44	-
80 inch	1.35~1.90	5.18~10.23	7.95~12.18
100 inch	1.70~2.39	6.44~12.77	9.99~15.27
150 inch	2.58~3.61	9.60~19.10	15.08~23.01
200 inch	3.44~4.83	12.80~25.43	20.17~30.74
250 inch	4.31~6.05	15.91~31.76	25.25~38.48
300 inch	5.18~7.26	19.06~38.09	30.34~46.21
400 inch	6.91~9.70	25.37~50.75	40.52~61.68
500 inch	8.65~12.14	31.68~63.41	50.70~77.15

※ All measurements are approximate and may vary from the actual size(±7%)

## Specification

Model	TKI-LL1400U	TKI-LL1200U	TKI-LL910U
Brightness	13,000 ANSI lms	11,000 ANSI lms	9,000 ANSI lms
Panel	Projection	LCD	
	Type	3x0.76"	
	Resolution	WUXGA	
	Support	4K	
Contrast Ratio	5,000,000:1		
Aspect Ratio	16:10 (4:3 Compatible)		
Light Source	Type	Laser	
	Mode	Boost, Normal, ECO	
	Lifetime	Normal 20,000 Hours / ECO 30,000 Hours	
	Screen Size	40"~500"	
Lens	Throw Ratio	1.3~3.02:1	
	Zoom/Focus	Auto (optical 2.3x / Digital 33x)	
	F	1.7~2.0	
	f	21.8~49.8mm	
	Lens Shift	V 60% / H ±20%	
Keystone	V	±30° (Auto+Manual)	
	H	±30° (Manual)	
	Support	Pincushion/Barrel, 4 Corners, 6 Corners, Grid	
I/O	IN	2x HDMI 1x VGA (15pin Mini D-sub RGB) 1x DVI-D 1x Audio (3.5mm stereo mini jack) 1x RJ45 (Display) 1x USB A (5V/1.5A) 1x USB B (Display) 1x HDBaseT 1x HD-SDI (3G-SDI)	
	OUT	1x VGA (15pin Mini D-sub RGB) 1x Audio (3.5mm stereo mini jack) 1x HDMI	
	Control	1x RS232C (D-sub 9pin) 1x RJ45 (Control) 1x USB B (Upgrade) 2x Remote (IN/OUT)	
Misc. Functions	Auto Ceiling, Auto Keystone, Freeze, Blank, Mute, Auto Search, Auto Suspend, Auto PC Setup, etc.		
Noise	35 dB (Normal) / 29 dB (ECO)		
Temperature	5°C~40°C		
Rated Voltage	100~240V@50/60Hz		
Power Consumption	520W		
Standby Power	<0.5W		
Dimension	600 x 503 x 218 mm		
Weight	24 Kg		



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