

ZK1000

10,000 lumen, 4K UHD+ laser projector



The ZK1000 is a new-generation projector delivering bright 4K UHD+ laser projection with enhanced contrast and flexible installation options in a compact, lightweight design.

- 10,000 lumens of high-brightness projection
- DuraCore laser light source
- 4K UHD+ WQXGA (3840 x 2400) resolution for crisp, detailed images
- Compact and lightweight at 16.8 kg (without lens) for easy installation
- ArtNet support for seamless stage lighting synchronization
- Remote device management via Optoma Management Suite (OMS)
- Full range of interchangeable lenses (lenses sold separately)



*Product image shown with lens. Lens sold separately.

Specification



Display/image

Display technology	TI 0.8" HEP DLP single chip
Resolution	4K UHD+ WQUXGA (3840x2400)
Brightness	10,000 lumens
Contrast ratio	4,000,000:1
Native aspect ratio	16:10
Aspect ratio - compatible	4:3, 16:9, 16:10, 21:9, LBX
Keystone correction - horizontal	± 20°
Keystone correction - vertical	± 20°
Horizontal scan rate	15.375 ~ 135 KHz
Vertical scan rate	23.98 ~ 240 Hz (120 Hz for 3D feature projector)
Uniformity	95%
Screen size	Mechanical: 50" ~ 1000", Optical: 80" ~ 300"

Light source

Light source type	DuraCore laser
Light source life	20,000 hours (bright mode) / 30,000 hours (eco mode)

Optical (optional compatible lenses)

BX-CTA28 lens	TR 0.34 ~ 0.37, Zoom 1.08x
BX-CTA10 lens	TR 0.5 ~ 0.65, Zoom 1.3x
BX-CTA11 lens	TR 0.78 ~ 0.9, Zoom 1.15x
BX-CTA12 lens	TR 0.9 ~ 1.3, Zoom 1.44x
BX-CTA07 lens	TR 1.3 ~ 1.8, Zoom 1.38x
BX-CTA08 lens	TR 1.25 ~ 2, Zoom 1.6x
BX-CTA20 lens	TR 1.44 ~ 1.8, Zoom 1.25x
BX-CTA21 lens	TR 1.8 ~ 2.4, Zoom 1.33x
BX-CTA22 lens	TR 2.4 ~ 4.8, Zoom 2.0x
BX-CTA23 lens	TR 4.8 ~ 8.6, Zoom 1.8x
Zoom type (all lenses)	Motorized
Lens shift - 1/2 height (all lenses)	Vertical: +/-120%, Horizontal: +/-50%
Native offset (all lenses)	Zero

Specification

Connectivity

Inputs -
HDMI (v2.0b, HDCP 1.4/2.3) x2, DisplayPort In x1, HDBaseT v3.0 x1, 3D Sync In (BNC) x1

Connections

Outputs -
HDMI Out v2.0 x1, 3D Sync Out (BNC) x1, USB-A Power (5V / 2A) x1

Control -
RJ45 x1, RS232 x1, Wired In (3.5 mm phone jack) x1, IR Receivers x3

General

Noise level (typical / max)

36 dB / 40 dB

Input lag

4.5 ms (1080p / 240 Hz,
low latency on & warping off)

3D

Full 3D

IP rating (light engine)

IP5X

OSD / display languages

25 languages: Czecho / Danish / Dutch / English / Finnish / French / German / Greek / Hungarian / Indonesian / Italian / Japanese / Korean / Norwegian / Polish / Portuguese / Romanian / Russian / Simplified Chinese / Spanish / Swedish / Thai / Traditional Chinese / Turkish / Vietnamese

Safety

Class B EMI protection

24/7 operation

Yes

360° orientation

Yes

Operating conditions

Operating Temperature:
0 ~ 40°C; Tolerance +/- 2°C,
Operating Altitude:
10,000 ft., for 0°C~30°C,
Operating Humidity:
10~85%RH, non-condensing,
Storage: 5~90% RH, non-condensing.

Security

Security bar, Kensington lock, password-protected interface

In the box

QSG
Backlit remote control
AAA Batteries
Power cable

Specification

Networking

LAN - display	No
LAN - wireless networking	No
Networking	OMS, Art-Net, PJlink, Telnet, Crestron, Extron, web control, AMX device discovery

Power

Power supply	AC 100 ~ 240 V, 50 ~ 60 Hz
Power consumption (standby)	0.3 W
Power consumption @110V	655 W \pm 15% (Bright), 375 W \pm 15% (Eco)
Power consumption @220V	640 W \pm 15% (Bright), 365 W \pm 15% (Eco)
Dissipation BTU	2234 BTU/hr \pm 15% @110 VAC 2183 BTU/hr \pm 15% @220 VAC

Weight and dimensions

Gross weight (w/o lens)	24 kg / 52.9 lbs
Net weight (w/o lens)	16.8 kg / 37 lbs
Dimensions (W x D x H)	535 mm x 396 mm x 211.5 mm / 21.06" x 15.59" x 8.33" - w/ feet
	535 mm x 396 mm x 189 mm / 21.06" x 15.59" x 7.44" - w/o feet