



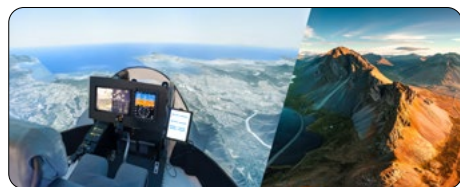
ZK420UST 4K UHD DuraCore Laser Projector

Space-Saving 4K UHD Ultra-Short Throw Projector with Hassle-Free Remote Control and Seamless Updates



Ultra Short Throw Projector featuring a sleek compact design

ZK420UST is designed for various usage scenarios such as a conference rooms, training rooms, simulations, classrooms, and more. Capable of generating a 100" image from less than 12 inches away from the projection surface, the ZK420UST features a compact design engineered for space constrained environments.



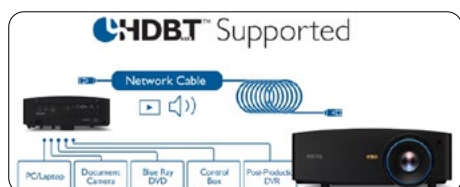
Clarity, color and contrast

With 4K UHD resolution, 500,000:1 Contrast Ratio and DuraCore Laser Technology, ZK420UST delivers sharp, vibrant images with elite color performance ideal for education, corporate, and simulation spaces.



Effortless installations

With 360-degree rotation, portrait installation, and geometric correction, you can position the projector at any angle for professional applications. Whether projecting onto a regular screen or a tall wall, portrait installation lets you explore new angles and adapt to any space.



Streamline Your Setup with HDBaseT 3.0

HDBaseT™ - Uncompromising, uncompressed 4K UHD video, audio, network and control commands all delivered on a single RJ45 cable capable up to 100 meters/328 feet without signal loss makes installation hassle-free. HDBaseT simplifies cabling requirements installation complexity saving time and reducing costs.



Seamless management and updates

Compatible with the cloud-based Optoma Management Suite (OMS®) platform, IT managers and service providers can remotely check the device status, make configurations to optimize performance and broadcast alerts or announcements; streamlining device management, simplifying operations and maximizing efficiency.*

Product Specifications

Display/image	Display technology	DLP™
	Resolution	4K UHD (3840x2160)
	Brightness	4,200 ANSI lumens
	Contrast ratio	500,000:1
	Native aspect ratio	16:9
	Aspect ratio - support	21:9, 4:3, LBX, Native, Auto
	Horizontal scan rate	15KHz ~ 150KHz
	Vertical scan rate	24KHz ~ 240KHz
	Uniformity	75%
	Geometric Correction	5°+/- Four corner correction**, 5x3 Warping
	Digital Zoom	80% - 200% (0.8 - 2.0x)
	Screen size	100" - 150" diagonal
Laser Phosphor	Light source type	DuraCore Laser
	Light source life	30,000 hours (Eco mode)
Optical	Throw ratio	0.25:1
	Projection distance	21.78" - 32.68" (lens to surface), 10.53" - 21.43" (chassis to surface)
	Zoom	N/A
	Zoom type	Fixed
	Focal length (mm)	-3.7 mm
	Lens shift	N/A
	Native offset	120% ±5%
Connectivity	Connections	HDMIx2 (2.0), USBx1 (5V/1.5A), 3D Sync outx1, RJ-45x1, HDBaseT RX x1 (4K), Audio Outx1, RS232x1
General	Noise level (min)	29dB (Eco mode)
	Noise level (max)	34dB (Bright mode)
	PC compatibility	UHD, WQHD, WUXGA, FHD, UXGA, SXGA+, SXGA, WXGA, HD, SD, XGA, SVGA, VGA
	2D compatibility	480i/p, 576i/p, 720p(50/60Hz), 1080i(50/60Hz), 1080p(50/60Hz), 2160p(50/60Hz)
	3D compatibility	Side-by-Side:1080i 50 / 60Hz, 720p 50 / 60Hz, 800x600 60Hz, 1024x768 60Hz, 1280x800 60Hz Frame-pack:1080p 24Hz, 720p 50 / 60Hz Top and Bottom: 1080p 24Hz, 1080i 50 / 60Hz, 720p 50 / 60Hz, 800x600 60Hz, 1024x768 60Hz, 1280x800 60Hz
	3D	Full 3D
	Security	Security bar, Kensington Lock, Password protected interface
	OSD / display languages	27 languages: English, Arabic, Czech, Danish, Dutch, Farsi, Finnish, French, German, Greek, Hungarian, Indonesian, Italian, Japanese, Korean, Norwegian, Polish, Portuguese, Romanian, Russian, Simplified Chinese, Spanish, Swedish, Thai, Traditional Chinese, Turkish, Vietnamese
	Operating conditions	0 ~ 40°C; Tolerance +/- 2°C, Max Altitude 10,000 ft., for 0°C~30°C, Max humidity 80% RH, non-condensing
	Remote control	IR remote
	Speaker count	1
	Watts per speaker	15W
	In the box	Projector, QSG, Power Adapter and Cable, Remote, Batteries (2xAAA)
	Input lag FOTA	4K60@16.9ms, 1080p60@17ms, 1080p120@8.6ms, 1080p240@4.3ms Online FW Updates via RJ-45
Networking	LAN - control	Yes
Power	Power supply	100 ~ 240V, 50 ~ 60Hz
	Power consumption (standby)	0.5W
	"Power consumption Minimum:(ECO mode)"	180 W +/- 15% (typical)@110VAC 178 W +/- 15% (typical)@220VAC
	"Power consumption Maximum:(Bright mode)"	255 W +/- 15% (typical)@110VAC 250 W +/- 15% (typical)@220VAC
Weight and dimensions	Dimensions (W x D x H)	12.87" x 12.9" x 4.31"
	Gross weight	9lbs
	UPC	796435 44 758 8
	Warranty	3 Year Warranty (5 Year or 12,000 Hr. Light Source)



4K ULTRA HD™



No.1 DLP Laser Brand Worldwide*
*Data source: PMA Research:
Worldwide Projector Census Y2024
for projectors +1000 lumens

Optoma is a visual solutions provider that has delivered stunning experiences to millions of people since 2000. For the last two decades, we have grown our business to become one of the world's leading large-display brands. We have demonstrated our capabilities as a first-mover, innovator, and market leader and firmly established our position as the world's leading 4K UHD projector and DLP® brand.



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