Panasonic CONNECT



Laser light source, 3LCD, 13 000 lumens, WUXGA projector

PT-MZ13KL

Designed to reduce the AV managers workload in businesses and universities.

Key Features

Laser 3LCD, 13 000 lumens, WUXGA

Silent (35dB in normal mode) and light construction (22kg) is ideal for lecture theatres and seminar rooms

20 000 hours maintenance-free operation due to the dustproof construction and long-lasting eco filter

Triple drive engine ensures non-stop operation with a failover function. A secondary backup signal input and the monitoring function reduce the impact of potential technical faults.

Flexible installation with a choice of seven optional zoom lenses . Easy setup with Geo Pro software and DIGITAL LINK function

















PT-MZ13KL

https://oc.connect.panasonic.com/au/en/products/projectors/pt-mz13kl

screen) Keystone Correction Keystone correction optional ET-UK20 Up Installation Terminals SDI In Terminals HDMI Ir Terminals DVI-D Ir Terminal RGB In Terminals Serial/M In		2,700 m (8,858 ft) above sea level,and the operating environment temperature becomes 35 °C (95 °F) or higher, the light output may be reduced to protect the projector. 13,000 lm 25.4 mm (1.0 in) diagonal (16:10 aspect ratio) 2,304,000 (Pixels 1920 x 1200) pixels x 3	
Time until light outp %*2 Resolution Contrast Ratio*1 Screen size [diagonal Center-to-corner zo Lens Lens shift Vertical screen) Lens shift Horizonal screen) Keystone Correction Keystone Correction Keystone ET-UK20 Up Installation Terminals SDI In Terminals HDMI In Terminals HDMI In Terminals Serial/M In Terminals Serial/M In Terminals REMOTE Terminals Remote Terminals Remote Terminals LAN Terminals DIGITAL Terminals DIGITAL Terminals DC Out Power Supply Power Consumption Cabinet Materials Filter Operation noise*1 Dimensions (W x H x Weight*5 Operating Environm Applicable Software Note	*i	2,700 m (8,858 ft) above sea level,and the operating environment temperature becomes 35 °C (95 °F) or higher, the light output may be reduced to protect the projector. 13,000 lm	
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Time until light outp %*2 Resolution Contrast Ratio*1 Screen size [diagonal Center-to-corner zolens shift Vertical screen) Lens shift Vertical screen) Lens shift Horizonal Screen) Keystone Correction Keystone Correction optional ET-UK20 Up Installation Terminals SDI In Terminals BDI In Terminals DVI-D In Terminals Serial/M In Terminals Serial/M In Terminals REMOTE Terminals Remote Terminals Remote Terminals LAN Terminals DIGITAL Terminals DC Out Power Supply Power Consumption Cabinet Materials Filter Operation noise*1 Dimensions (W x H x Weight*5 Operation Environm Applicable Software		converted to the projector's resolution (1920 x 1200 pixels) upon projection. Supported terminals: DIGITAL LINK/HDMI®. *4 With legs at shortest position. *5 Average value. May	
Time until light outp %*2 Resolution Contrast Ratio*1 Screen size [diagonal Center-to-corner zolens shift Vertical screen) Lens shift Vertical screen) Lens shift Horizonal Screen) Keystone Correction Keystone Correction optional ET-UK20 Up Installation Terminals SDI In Terminals BDI In Terminals DVI-D In Terminals Serial/M In Terminals Serial/M In Terminals REMOTE Terminals Remote Terminals Remote Terminals LAN Terminals DIGITAL Terminals DC Out Power Supply Power Consumption Cabinet Materials Filter Operation noise*1 Dimensions (W x H x Weight*5 Operation Environm Applicable Software		until light output declines to 50 % varies depending on environment. *3 4K signals are	
Time until light outp %*2 Resolution Contrast Ratio*1 Screen size [diagonal Center-to-corner zolens shift Vertical screen) Lens shift Horizonal Screen) Lens shift Horizonal Screen) Keystone Correction Keystone Correction Optional ET-UK20 Up Installation Terminals SDI In Terminals BUI In Terminals DVI-D In Terminals Serial/M In Terminals Serial/M In Terminals Remote Terminals Remote Terminals Remote Terminals LAN Terminals DC Out Power Supply Power Consumption Cabinet Materials Filter Operation noise*1 Dimensions (W x H 1) Weight*5 Operation Power Software		°F), 700 m (2,297 ft) above sea level, and 0.15 mg/m3 of particulate matter. Estimated time	
Time until light outp %*2 Resolution Contrast Ratio*1 Screen size [diagonal Center-to-corner zolens shift Vertical screen) Lens shift Horizonal Screen) Lens shift Horizonal Screen) Keystone Correction Keystone Correction Optional ET-UK20 Up Installation Terminals SDI In Terminals BUI In Terminals DVI-D In Terminals Serial/M In Terminals Serial/M In Terminals Remote Terminals Remote Terminals Remote Terminals LAN Terminals DC Out Power Supply Power Consumption Cabinet Materials Filter Operation noise*1 Dimensions (W x H 1) Weight*5 Operation Power Software		Broadcastcontents, NORMAL Mode, Dynamic Contrast [2], under conditions with 35 °C (95	
Time until light outp %*2 Resolution Contrast Ratio*1 Screen size [diagonal Center-to-corner zolens shift Vertical screen) Lens shift Horizonal Screen) Lens shift Horizonal Screen) Keystone Correction Keystone Correction Optional ET-UK20 Up Installation Terminals SDI In Terminals BUI In Terminals DVI-D In Terminals Serial/M In Terminals Serial/M In Terminals Remote Terminals Remote Terminals Remote Terminals LAN Terminals DC Out Power Supply Power Consumption Cabinet Materials Filter Operation noise*1 Dimensions (W x H 1) Weight*5 Operation Power Software		Around this time, light output will have decreased by approximately 50 %. IEC62087: 2008	
Time until light outp %*2 Resolution Contrast Ratio*1 Screen size [diagonal Center-to-corner zolens shift Vertical screen) Lens shift Horizonal Screen) Lens shift Horizonal Screen) Keystone Correction Keystone Correction Optional ET-UK20 Up Installation Terminals SDI In Terminals BUI In Terminals DVI-D In Terminals Serial/M In Terminals Serial/M In Terminals Remote Terminals Remote Terminals Remote Terminals LAN Terminals DC Out Power Supply Power Consumption Cabinet Materials Filter Operation noise*1 Dimensions (W x H 1) Weight*5 Operation Power Software		*1 Measurement, measuring conditions, and method of notation all comply with ISO/IEC 21118: 2012 international standards. Value is average of all products when shipped. *2	
Time until light outp %*2 Resolution Contrast Ratio*1 Screen size [diagonal Center-to-corner zo Lens Lens shift Vertical screen) Lens shift Horizonal screen) Keystone Correction Keystone Correction Keystone Correction optional ET-UK20 Up Installation Terminals SDI In Terminals HDMI In Terminals DVI-D In Terminals Borial/M In Terminals Serial/M In Terminals REMOTE Terminals Remote Terminals Remote Terminals LAN Terminals DIGITAL Terminals DC Out Power Supply Power Consumption Cabinet Materials Filter Operation noise*1 Dimensions (W x H) Weight*5 Operating Environm		Kit),Smart Projector Control for iOS/Android™	
Time until light outp %*2 Resolution Contrast Ratio*1 Screen size [diagonal Center-to-corner zo Lens Lens shift Vertical screen) Lens shift Horizonal screen) Keystone Correction Keystone Correction Keystone Correction optional ET-UK20 Up Installation Terminals SDI In Terminals HDMI In Terminals DVI-D In Terminals Borial/M In Terminals Serial/M In Terminals REMOTE Terminals Remote Terminals Remote Terminals LAN Terminals DIGITAL Terminals DC Out Power Supply Power Consumption Cabinet Materials Filter Operation noise*1 Dimensions (W x H) Weight*5 Operating Environm		Geometry Manager Pro (ET-UK20 Upgrade Kit, ET-CUK10 Auto Screen Adjustment	
Time until light outp %*2 Resolution Contrast Ratio*1 Screen size [diagonal Center-to-corner zo Lens Lens shift Vertical screen) Lens shift Horizonal screen) Keystone Correction Keystone Correction Optional ET-UK20 Up Installation Terminals SDI In Terminals HDMI In Terminals DVI-D In Terminals Serial/M In Terminals Serial/M In Terminals REMOTE Terminals Remote Terminals Remote Terminals LAN Terminals DIGITAL Terminals DC Out Power Supply Power Consumption Cabinet Materials Filter Operation noise*1 Dimensions (W x H) Weight*5	e	Logo Transfer Software, Multi Monitoring & Control Software, Early Warning Software,	
Time until light outp %*2 Resolution Contrast Ratio*1 Screen size [diagonal Center-to-corner zo Lens Lens shift Vertical screen) Lens shift Horizonal screen) Keystone Correction Keystone Correction Optional ET-UK20 Up Installation Terminals SDI In Terminals HDMI In Terminals DVI-D In Terminals Serial/M In Terminals Serial/M In Terminals REMOTE Terminals Remote Terminals Remote Terminals LAN Terminals DIGITAL Terminals DC Out Power Supply Power Consumption Cabinet Materials Filter Operation noise*1 Dimensions (W x H) Weight*5		condensation)	
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Time until light outp %*2 Resolution Contrast Ratio*1 Screen size [diagonal Center-to-corner zo Lens Lens shift Vertical screen) Lens shift Horizonal screen) Keystone Correction Keystone Correction Keystone Correction Optional ET-UK20 Up Installation Terminals SDI In Terminals DVI-D In Terminals DVI-D In Terminals Serial/M In Terminals Serial/M Out Terminals REMOTE Terminals Remote Terminals Remote Terminals LAN Terminals DIGITAL Terminals DC Out Power Supply Power Consumption Cabinet Materials Filter Operation noise*1	(ت ۸	Approx. 22.3 kg (49.2 lbs)	
Time until light outp %*2 Resolution Contrast Ratio*1 Screen size [diagonal Center-to-corner zollens shift Vertical screen) Lens shift Vertical screen) Lens shift Horizonal Screen) Keystone Correction Keystone Correction Optional ET-UK20 Up Installation Terminals SDI In Terminals HDMI In Terminals DVI-D In Terminals Serial/M In Terminals Serial/M Out Terminals Remote Terminals Remote Terminals LAN Terminals DIGITAL Terminals DC Out Power Supply Power Consumption Cabinet Materials Filter	x D)	35 dB (NORMAL) / 30 dB (Quiet) 650 x 211*4 x 440 mm (25 19/32" x 8 5/16"*4 x 17 21/64") (Without lens)	
Time until light outp %*2 Resolution Contrast Ratio*1 Screen size [diagonal Center-to-corner zo Lens Lens shift Vertical screen) Lens shift Horizonal Screen) Lens shift Horizonal Center-to-corner zo Lens Lens shift Horizonal Center-to-corner zo Lens Lens shift Vertical screen) Keystone Correction Keystone Correction Terminals STI In Terminals SDI In Terminals DVI-D In Terminals DVI-D In Terminals Serial/M In Terminals Serial/M Out Terminals Remote Terminals Remote Terminals Remote Terminals LAN Terminals DIGITAL Terminals DIGITAL Terminals DC Out Power Supply Power Consumption Cabinet Materials		Included (Estimated maintenance time: approx. 20,000 hours) 35 dB (NORMAL) / 30 dB (Quiet)	
Time until light outp %*2 Resolution Contrast Ratio*1 Screen size [diagonal Center-to-corner zo Lens Lens shift Vertical screen) Lens shift Horizonal Screen) Keystone Correction Keystone Correction Optional ET-UK20 Up Installation Terminals SDI In Terminals HDMI In Terminals DVI-D In Terminals Serial/M In Terminals Serial/M Out Terminals Remote Terminals Remote Terminals LAN Terminals DIGITAL Terminals DIGITAL Terminals DC Out Power Supply		Molded plastic Included (Estimated maintenance time: approx. 20,000 hours)	
Time until light outp %*2 Resolution Contrast Ratio*1 Screen size [diagonal Center-to-corner zo Lens Lens shift Vertical screen) Lens shift Horizonal Screen) Keystone Correction Keystone Correction Keystone Correction June 1	on	800 W	
Time until light outp %*2 Resolution Contrast Ratio*1 Screen size [diagonal center-to-corner zo Lens Lens shift Vertical screen) Lens shift Horizonal screen) Keystone Correction Keystone Correction Keystone Correction Terminals SDI In Terminals HDMI In Terminals DVI-D In Terminals Serial/M In Terminals Serial/M In Terminals Remote Terminals Remote Terminals Remote Terminals LAN Terminals DIGITAL		AC 100-240 V, 50/60 Hz	
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Time until light outp %*2 Resolution Contrast Ratio*1 Screen size [diagonal Center-to-corner zo Lens Lens shift Vertical screen) Lens shift Horizonal Screen) Keystone Correction Keystone Correction Keystone Correction June 1		HDCP 2.2, Deep Color, 4K/60p signal input*3)	
Time until light outp %*2 Resolution Contrast Ratio*1 Screen size [diagonal Center-to-corner zo Lens Lens shift Vertical screen) Lens shift Horizonal Screen) Keystone Correction Keystone Correction Keystone Correction June 1		(HDBaseT™ compliant), 100Base-TX (Compatible with PJLink™ [Class 2], Art-Net,	
Time until light outp %*2 Resolution Contrast Ratio*1 Screen size [diagonal center-to-corner zolens shift Vertical screen) Lens shift Horizonal center-to-corner zolens shift Horizonal center Horizonal center Lens shift Horizonal center Horizonal center Lens shift Horizonal center Horizonal center Lens shift Horizonal center	L LINK	RJ-45 x 1 for network and DIGITAL LINK connection (video/network/serial control)	
Time until light outp %*2 Resolution Contrast Ratio*1 Screen size [diagonal center-to-corner zolens shift Vertical screen) Lens shift Horizonal center-to-corner zolens shift Horizonal center Horizonal center Lens shift Horizonal center Horizonal center Lens shift Horizonal center Horizonal center Lens shift Horizonal center		2], Art-Net)	
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Time until light outp %*2 Resolution Contrast Ratio*1 Screen size [diagonal Center-to-corner zo Lens Lens shift Vertical screen) Lens shift Horizonal screen) Keystone Correction Keystone Correction Optional ET-UK20 Up Installation Terminals SDI In Terminals HDMI In Terminals DVI-D In Terminals RGB In Terminals Serial/M In	e 2 Out	M3 x 1 for link control (for wired remote control)	
Time until light outp %*2 Resolution Contrast Ratio*1 Screen size [diagonal Center-to-corner zo Lens Lens shift Vertical screen) Lens shift Horizonal screen) Keystone Correction Keystone Correction Optional ET-UK20 Up Installation Terminals SDI In Terminals HDMI In Terminals DVI-D In Terminals RGB In Terminals Serial/M In Terminals Serial/M Out		M3 x 1 for wired remote control	
Time until light outp %*2 Resolution Contrast Ratio*1 Screen size [diagonal Center-to-corner zo Lens Lens shift Vertical screen) Lens shift Horizonal screen) Keystone Correction Keystone Correction Optional ET-UK20 Up Installation Terminals SDI In Terminals HDMI In Terminals DVI-D In Terminals RGB In Terminals Serial/M In Terminals Serial/M In	E1 IN	D-sub 9-pin (female) × 1 for external control (parallel)	
Time until light outp %*2 Resolution Contrast Ratio*1 Screen size [diagonal Center-to-corner zo Lens Lens shift Vertical screen) Lens shift Horizonal screen) Keystone Correction Keystone Correction Optional ET-UK20 Up Installation Terminals SDI In Terminals DVI-D In Terminals DVI-D In Terminals RGB In Terminals Serial/M In		Furtime's vision mucountailus Tope combinate)	
Time until light outp %*2 Resolution Contrast Ratio*1 Screen size [diagonal center-to-corner zone lens shift Vertical screen) Lens shift Horizonal screen) Keystone Correction Keystone Correction Optional ET-UK20 Up Installation Terminals SDI In Terminals DVI-D In Terminals RGB In Terminals Serial/M	Terminals Serial/Multi Projector SyncD-sub 9-pin (male) x 1 for link control (RS-232C compliant)		
Time until light outp %*2 Resolution Contrast Ratio*1 Screen size [diagonal center-to-corner zone lens Lens shift Vertical screen) Lens shift Horizonal screen) Keystone Correction Keystone Correction Optional ET-UK20 Up Installation Terminals SDI In Terminals DVI-D In Terminals RGB In	viulu Projector Syn	uo-suo פ-piii (remale) x דו וסו external control (KS-232C compliant)	
Time until light outp %*2 Resolution Contrast Ratio*1 Screen size [diagonal Center-to-corner zone Lens Shift Vertical Screen) Lens shift Horizonal Screen) Keystone Correction Keystone Correction Keystone TT-UK20 Up Installation Terminals SDI In Terminals DVI-D In	Multi Projector Svo	D-sub HD 15-pin (female) x 1 (RGB/YPBPR/YCBCR) cD-sub 9-pin (female) x 1 for external control (RS-232C compliant)	
Time until light outp %*2 Resolution Contrast Ratio*1 Screen size [diagonal Center-to-corner zo Lens Lens shift Vertical screen) Lens shift Horizonal screen) Keystone Correction Keystone Correction Keystone Lens Lens State Horizonal screen) Keystone Correction Ceystone Correction Terminals SDI In Terminals HDMI In		only) Desub HD 15-nin (female) v 1 (PGR/VPRPP/VCRCP)	
Time until light outp %*2 Resolution Contrast Ratio*1 Screen size [diagonal Center-to-corner zo Lens Lens shift Vertical screen) Lens shift Horizonal screen) Keystone Correction Keystone Correction Keystone Lens Lens State Horizonal screen) Keystone Correction Ceystone Correction Terminals SDI In Terminals HDMI In	In	DVI-D 24-pin x 1 (DVI 1.0 compliant, compatible with HDCP, compatible with single link	
Time until light outp %*2 Resolution Contrast Ratio*1 Screen size [diagonal Center-to-corner zollow Lens Shift Vertical screen) Lens shift Horizonal Screen) Keystone Correction Keystone Correction Keystone IT-UK20 Up		HDMI 19-pin x 1 (Compatible with HDCP 2.2, Deep Color, 4K/60p signal input*3)	
Time until light outp %*2 Resolution Contrast Ratio*1 Screen size [diagonal Center-to-corner zo Lens Lens shift Vertical screen) Lens shift Horizonal screen) Keystone Correction Keystone Correction optional ET-UK20 Up		BNC x 1: 3G/HD-SDI input	
Time until light outp %*2 Resolution Contrast Ratio*1 Screen size [diagonal Center-to-corner zo Lens Lens shift Vertical screen) Lens shift Horizonal screen) Keystone Correction Keystone Correction Keystone correction		Ceiling/floor, front/rear, free 360-degree installation	
Time until light outp %*2 Resolution Contrast Ratio*1 Screen size [diagonal Center-to-corner zo Lens Lens shift Vertical screen) Lens shift Horizonal screen) Keystone Correction		simultaneously, correction cannot be made exceeding a total of 55 °.	
Time until light outp %*2 Resolution Contrast Ratio*1 Screen size [diagonal Center-to-corner zo Lens Lens shift Vertical screen) Lens shift Horizonal screen) Keystone Correction		EMW500)When [VERTICAL KEYSTONE] and [HORIZONTAL KEYSTONE] are used	
Time until light outp %*2 Resolution Contrast Ratio*1 Screen size [diagone Center-to-corner zo Lens Lens shift Vertical screen) Lens shift Horizone screen) Keystone Correction	_	Horizontal: ±40° (±8° with ET-EMW200/ET-EMW300, ±15° with ET-EMW400/ET-	
Time until light outp %*2 Resolution Contrast Ratio*1 Screen size [diagona Center-to-corner zo Lens Lens shift Vertical screen) Lens shift Horizona screen)	n range with	Vertical: ±40° (±14° with ET-EMW200/ET-EMW300, ±22° with ET-EMW400/ET-EMW500),	
Time until light outp %*2 Resolution Contrast Ratio*1 Screen size [diagona Center-to-corner zo Lens Lens shift Vertical screen) Lens shift Horizona screen)	Runge	Horizontal: ±15° (±8° with ET-EMW200/ET-EMW300)	
Time until light outp %*2 Resolution Contrast Ratio*1 Screen size [diagona Center-to-corner zo Lens Lens shift Vertical screen) Lens shift Horizona	on Range	Vertical: ±40° (±14° with ET-EMW200/ET-EMW300, ±22° with ET-EMW400/ET-EMW500),	
Time until light outp %*2 Resolution Contrast Ratio*1 Screen size [diagona Center-to-corner zo Lens Lens shift Vertical	Lens shift Horizontal (from center of ±20 % (±19 % with ET-EMW200) (powered)		
Time until light outp %*2 Resolution Contrast Ratio*1 Screen size [diagona Center-to-corner zo Lens	. ,	(s to the first s to the firs	
Time until light outp %*2 Resolution Contrast Ratio*1 Screen size [diagona Center-to-corner zo	l (from center of	Optional powered zoom lenses ±60 % (±40 % with ET-EMW200, ±50 % with ET-EMW300) (powered)	
Time until light outp %*2 Resolution Contrast Ratio*1 Screen size [diagona	one ratio*1	85 % Optional powered zoom lenses	
Time until light outp %*2 Resolution Contrast Ratio*1	_	2.03–12.7 m (80–500 in), 16:10 aspect ratio	
Time until light outp %*2		3,000,000:1 (Full On/Full Off) * With [Dynamic Contrast] set to [3]	
Time until light outp		1920 x 1200 pixels	
Light output*1	put declines to 50	20,000 hours (NORMAL)	
		13,000 lm	
Light Source		Laser diodes	
Projector type		LCD projectors	
Feature		Specification	