Panasonic CONNECT

1DLP - 8200 lumens - XGA - 2Lamps - RBG Booster, Digital Link

PT-DX820

The quietest high brightness fixed installation projector Designed for for museums, exhibitions and digital signage applications

Key Features

- 1-Chip DLP, 8200 lumens, XGA
- Dual lamp system with up to 6000 hours lamp life (in eco mode). Lamp relay mode enabes 24/7 operation
- Dust-resistant optical engine allows filter-less design
- Multi-screen support including edge blending and colour matching function

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https://eu.connect.panasonic.com/dk/en/products/projectors/pt-dx820

Power Supply	120-240 V AC 9.0-4.0 A, 50/60 Hz
Power Consumption	790 W (810 VA) (0.3 W with STANDBY MODE set to ECO, 3 W with STANDBY MODE set to NORMAL) max. 2,696 BTU (without light output: 2,601 BTU)
DLP™ Chip | Panel Size	17.8 mm (0.7 in) diagonal (4:3 aspect ratio)
DLP™ Chip | Display Method	DLP™ chip x 1, DLP™ system
DLP™ Chip | Pixels	786,432 (1,024 x 768) x 1, total of 786,432 pixels
Lens	PT-DX820W/B Powered zoom/focus lenses (1.7-2.4:1), F 1.7-1.9, f 25.6-35.7 mm PT-DX820LW/LB Optional powered zoom/focus lenses and fixed-focus lens
Lamp	310 W UHM lamps (x 2)
Screen Size	1.27-15.24 m (50- 600 inches) *1.27 - 5.08 m (50 - 200 inches) with the ET-DLE055 (16:10 aspect ratio) *2.54 - 8.89 m (100 - 350 inches) with the ET-DLE030 (16:10 aspect ratio)
Brightness	8,200 lumens (dual lamp, LAMP MODE: NORMAL)
Center-to-Corner Uniformity	90%
Contrast	2,400:1 (full on/full off, in dynamic iris 3 mode)
Resolution	1,024 x 768 pixels
Scanning Frequency | HDMI/DVI-D	fH: 15-100 kHz, fV: 24-120 Hz, dot clock: 25-162 MHz
Scanning Frequency | RGB	fH: 15-100 kHz, fV: 24-120 Hz, dot clock: 20-162 MHz
Scanning Frequency | YPBPR (YCBCR)	525i (480i): fH 15.75 kHz; fV 60 Hz, 625i (576i): fH 15.63 kHz; fV 50 Hz, 525p (480p): fH 31.50 kHz; fV 60 Hz, 625p (576p): fH 31.25 kHz; fV 50 Hz, 750 (720)/60p: fH 45.00 kHz; fV 60 Hz, 750 (720)/50p: fH 37.50 kHz; fV 50 Hz, 1125 (1035)/60i: fH 33.75 kHz; fV 60 Hz, 1125 (1080)/60i: fH 33.75 kHz; fV 60 Hz, 1125 (1080)/50i: fH 28.13 kHz; fV 50 Hz, 1125 (1080)/25p: fH 28.13 kHz; fV 25 Hz, 1125 (1080)/24p: fH 27.00 kHz; fV 24 Hz, 1125 (1080)/24sF: fH 27.00 kHz; fV 48 Hz, 1125 (1080)/30p: fH 33.75 kHz; fV 30 Hz, 1125 (1080)/60p: fH 67.50 kHz; fV 60 Hz, 1125 (1080)/50p: fH 56.25 kHz; fV 50 Hz
Scanning Frequency | Video/S-Video	fH: 15.75 kHz, fV: 60 Hz [NTSC/NTSC4.43/PAL-M/PAL60] fH: 15.63 kHz, fV: 50 Hz [PAL/PAL-N/SECAM]
Optical Axis Shift	Vertical: -13% - +50% (powered) (-13% - +45% with the ET-DLE085/DLE105) horizontal: -10% - +30% (powered) (-10% - +28% with the ET-DLE085/DLE105) NOTE: Optical If using the ET-DLE030, the optical axis is fixed. axis shift function cannot be operated when used with the ET-DLE055
Keystone Correction Range	Vertical ±40°, horizontal: ±15° (Vertical: ±22° with the ET-DLE055/DLE085/DLE105), (Vertical: ±5° with the ET-DLE030) Curved correction (Geometric adjustment) 4 corner correction
Installation	Ceiling/floor, front/rear
Terminals | HDMI In	HDMI 19-pin x 1, Deep Color, compatible with HDCP,
Terminals | DVI-D In	DVI-D 24-pin x 1, DVI 1.0 compliant, HDCP compatible, for single link only
Terminals | RGB 1 In	BNC x 5

Terminals | RGB 1 In | R, G, B	R: 0.7 Vp-p, 75 ohms, G: 0.7 Vp-p (G: 1.0 Vp-p for sync on G), 75 ohms, B: 0.7 Vp-p, 75 ohms HD, VD/SYNC: TTL, high impedance, positive/negative automatic NOTE: SYNC/HD and VD terminals do not accept tri-level sync signals.
Terminals | RGB 1 In | Y, PB, PR (Y, CB, CR)	Y: 1.0 Vp-p (including sync signal), PB/PR (CB/CR): 0.7 Vp-p, 75 ohms
Terminals | RGB 1 In | S-Video Signal	Y: 1.0 Vp-p, C: 0.286 Vp-p, 75 ohms
Terminals | RGB 1 In | Video Signal	1.0 Vp-p, 75 ohms
Terminals | RGB 2 In	D-sub HD 15-pin (female) x 1
Terminals | RGB 2 In | R, G, B	R: 0.7 Vp-p, 75 ohms, G: 0.7 Vp-p (G: 1.0 Vp-p for sync on G), 75 ohms, B: 0.7 Vp-p, 75 ohms HD, VD/SYNC: TTL, high impedance, positive/negative automatic NOTE: SYNC/HD and VD terminals do not accept tri-level sync signals.
Terminals | RGB 2 In | Y, PB, PR (Y, CB, CR)	Y: 1.0 Vp-p (including sync signal), PB/PR (CB/CR): 0.7 Vp-p, 75 ohms
Terminals | Serial In	D-sub 9-pin (female) x 1 for external control (RS-232C compliant)
Terminals | Serial Out	D-sub 9-pin (male) x 1 for link control (RS-232C compliant)
Terminals | Remoter 1 In	M3 jack x 1 for wired remote control
Terminals | Remoter 1 Out	M3 jack x 1 for link control
Terminals | Remoter 2 In	D-sub 9-pin (female) x 1 for external control (parallel)
Terminals | LAN/DIGITAL LINK	RJ-45 x 1 for network and DIGITAL LINK (video/network/serial control) connection, 100Base-TX, compatible with Art-Net, compliant with PJLink™ (class 1), Deep Color, compatible with HDCP,
Terminals | USB	DC OUT (5V/0.9A)
Power Cord Length	3.0 m (9 ft 10 in)
Cabinet Materials	Molded plastic (PT-DX820W/DX820LW : White) (PT-DX820B/DX820LB : Black)
Dimensions (W x H x D)	498 x 175 x 521 mm (19-19/32 x 6-7/8 x 20-1/2 inches) (with supplied lens) 498 x 175 x 508 mm (19-19/32 x 6-7/8 x 20 inches) (without lens, with lens cap) 498 x 175 x 498 mm (19-19/32 x 6-7/8 x 19-19/32 inches) (without lens and lens cap)
Weight	Approx. 17.8 kg (39.2 lbs) (with supplied lens) Approx. 17.0 kg (37.5 lbs) (without lens)
Operating Noise	30 dB (dual lamp operation, LAMP MODE: NORMAL), 28 dB (dual lamp operation, LAMP MODE: ECO)
Operating Temperature	0-45 °C (32-113 °F)
Operating Humidity	10%-80% (no condensation)
Technology	1-Chip DLP
Note	Weights and dimensions shown are approximate. Specifications and appearance are subject to change without notice. *1 When the STANDBY MODE is set to ECO, network functions such as power on over the LAN network will not operate, and the serial output terminal cannot be used. Also, only certain commands can be received for external control using the serial terminal. *2 Measurement, measuring conditions, and method of notation all comply with ISO 21118 international standards. *3 With legs at shortest position. *4 Average value. May differ depending on models. *5 The operating temperature range is 0 °C to 40 °C (32 °F to 104 °F) when the fan control is set to High Altitude mode (for altitudes from 1,400 m to 2,700 m (4,593 ft to 8,858 ft) above sea level). Also, if the ambient temperature exceeds 40 °C (104 °F) (35 °C (95 °F) in High Altitude mode) when the projector is being used with Lamp Select set to Dual and Lamp Power set to High, the light output may be reduced approximately 20% to protect the projector.