

Laser Series

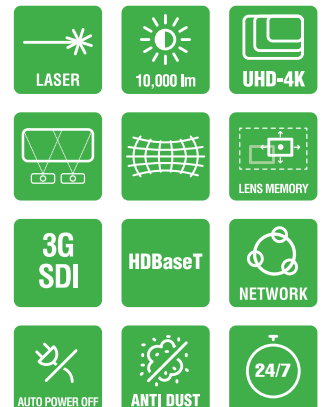
High brightness and low maintenance

- Full range of resolutions up to 4K UHD
- Brightness from 5,000 to 18,000 ANSI Lumens
- Contrast ratio up to 15,000:1
- Laser light source up to 20,000 hours operation



Laser projectors are the optimal choice for a diverse range of large venue applications

- Designed for heavy duty 24/7 operations, the laser phosphor optical engine offers up to 20,000 hours life time.
- The laser series offers models (varies by model) with built-in edge-blending and warping
- Landscape mode, portrait mode, and 360 degrees projection support.
- Easy installation guaranteed by lens focus, zoom, and horizontal and vertical adjustments
- Lens Position Memory (LPM), for focus, zoom, and lens shift (varies by platform)
- HDBaseT for robustness of long digital signal transmission up to 330' (100 m)





DX4630Z

DW4650Z

DH4661Z

DU4671Z

Technology	Display Type	Single 0.55" DLP Technology by Texas Instruments	Single 0.65" DLP Technology by Texas Instruments	Single 0.65" DLP Technology by Texas Instruments	Single 0.67" DLP Technology by Texas Instruments
	Brightness	5,000 ANSI Lumens	5,500 ANSI Lumens	5,000 ANSI Lumens	5,500 ANSI Lumens
Image	Native Resolution	XGA (1024 x 768)	WXGA (1280 x 800)	1080p (1920 x 1080)	WUXGA (1920 x 1200)
	Max. Supported Resolution	WUXGA (1920 x 1200)	WUXGA (1920 x 1200)	WUXGA (1920 x 1200)	WUXGA (1920 x 1200)
	Native Aspect Ratio	4:3	16:10	16:9	16:10
	Contrast Ratio	20,000:1	20,000:1	20,000:1	20,000:1
	Keystone Correction	V: +/- 30°, H: +/-25°	V: +/- 30°, H: +/-25°	V: +/- 30°, H: +/-25°	V: +/- 30°, H: +/-25°
	Zoom Ratio	1.65x	1.65x	1.65x	1.65x
Optical	Offset	See Lens Shift	See Lens Shift	See Lens Shift	See Lens Shift
	Lens Shift Range	V: +15%, H: 7%	V: +15%, H: 7%	V: +15%, H: 7%	V: +15%, H: 7%
	Throw Ratio	1.51-2.5:1	1.21-2.0:1	1.15-1.9:1	1.15-1.9:1
	Image Size	50"-208"	59"-245"	60"-250"	62"-257"
	Throw Ratio	1.51-2.5:1	1.21-2.0:1	1.15-1.9:1	1.15-1.9:1
	Projection Lens	f/2.45~3.13, f=17.23~27.9mm	f/2.45~3.13, f=17.23~27.9mm	f/2.45~3.13, f=17.23~27.9mm	f/2.45~3.13, f=17.23~27.9mm
Connectivity	I/O Connection Ports	VGA-in, HDMI v.1.4 (3x), MHL (1x), Composite Video, Audio-in (Mini-Jack), Audio-in (RCA), VGA-out, Audio-out (Mini-Jack), Audio-out (RCA), 3D Sync-out, USB Type A (Power only), RJ45 (LAN), RS232, USB mini-B (service)	VGA-in, HDMI v.1.4 (3x), MHL (1x), Composite Video, Audio-in (Mini-Jack), Audio-in (RCA), VGA-out, Audio-out (Mini-Jack), Audio-out (RCA), 3D Sync-out, USB Type A (Power only), RJ45 (LAN), RS232, USB mini-B (service)	VGA-in, HDMI v.1.4 (3x), MHL (1x), Composite Video, Audio-in (Mini-Jack), Audio-in (RCA), VGA-out, Audio-out (Mini-Jack), Audio-out (RCA), 3D Sync-out, USB Type A (Power only), RJ45 (HDBaseT), RS232, USB mini-B (service)	VGA-in, HDMI v.1.4 (3x), MHL (1x), Composite Video, Audio-in (Mini-Jack), Audio-in (RCA), VGA-out, Audio-out (Mini-Jack), Audio-out (RCA), 3D Sync-out, USB Type A (Power only), RJ45 (HDBaseT), RS232, USB mini-B (service)
	Dimensions (W x D x H)	13.8" x 17.7" x 5.9" (350 x 450 x 151 mm)	13.8" x 17.7" x 5.9" (351 x 450 x 151 mm)	13.8" x 17.7" x 5.9" (352 x 450 x 151 mm)	13.9" x 17.7" x 5.9" (353 x 450 x 151 mm)
General	Weight	23.6 lbs (10.7 kg)	23.6 lbs (10.7 kg)	23.6 lbs (10.7 kg)	23.6 lbs (10.7 kg)
	Speakers	10W	10W	10W	10W
	Noise Level	36 dB / 33 dB (Normal / Eco)	36 dB / 33 dB (Normal / Eco)	36 dB / 33 dB (Normal / Eco)	36 dB / 33 dB (Normal / Eco)
	Illumination Life and Type	Lamp free design. Laser light source lasting up to 20,000 hours	Lamp free design. Laser light source lasting up to 20,000 hours	Lamp free design. Laser light source lasting up to 20,000 hours	Lamp free design. Laser light source lasting up to 20,000 hours
	Power	Supply AC: 100-240V, 50/60Hz, Consumption: 430W (Eco mode 350W), <0.5W Standby	Supply AC: 100-240V, 50/60Hz, Consumption: 430W (Eco mode 350W), <0.5W Standby	Supply AC: 100-240V, 50/60Hz, Consumption: 430W (Eco mode 350W), <0.5W Standby	Supply AC: 100-240V, 50/60Hz, Consumption: 430W (Eco mode 350W), <0.5W Standby
	Available Colors	Black and White	Black and White	Black and White	Black and White



DU7095Z



DU7097Z



DU6690Z

Technology			
	Display Type	Single 0.67" DLP Technology by Texas Instruments	Single 0.67" DLP Technology by Texas Instruments
Image	Brightness	6,500 ANSI Lumens	7,000 ANSI Lumens
	Native Resolution	WUXGA (1920 x 1200)	WUXGA (1920 x 1200)
	Max. Supported Resolution	WUXGA (1920 x 1200) @60Hz	WUXGA (1920 x 1200)
	Native Aspect Ratio	16:10	16:10
	Contrast Ratio	15,000:1	15,000:1
	Keystone Correction	V: +/-30°; H: +/-25°	V: +/- 30°, H: +/-25°
Optical	Zoom Ratio	Manual Zoom & Focus	Manual Zoom & Focus
	Offset	Manual Lens Shift	See Lens Shift
	Lens Shift Range	V: +55%, -15%; H: +/-5%	V: -15%, +55%, H: +/-5%
	Image Size	dep. optional lens	dep. optional lens
	Projection Distance	dep. optional lens	dep. optional lens
	Projection Lens	5 optional lenses from 0.77:1 to 3.00-5.00:1	dep. optional lens 7 optional lenses from 0.77:1 to 4.00-5.00:1 throw ratio range
Connectivity	I/O Connection Ports	VGA-In, HDMI v1.4 (x2: HDMI/MHLx1, HDMIx1), DVI-D, RJ45 (HDBaseT), Component (5 BNC - RGBHV), Composite Video, Audio-In (Mini-Jack), Audio-In (RCA), VGA-Out, Audio-Out (RCA), Wired Remote Jack (x2: In and Out), 3D-Sync In, 3D-Sync Out, 12v Trigger (3.5mm Mini-Jack), USB A (Power Only), RJ45 (LAN), RS232 (x2: In and Out), USB B (Service)	VGA-in, HDMI v.1.4 (2x), DVI-D, Component (5 BNC - RFBHV), Composite Video, S-Video, Audio-in (Mini-Jack), Audio-in (RCA), VGA-out, Audio-out (Mini-Jack), Audio-out (RCA), 3D Sync-In, 3D Sync-out, USB Type A (Power only), RJ45 (HDBaseT), RJ45 (LAN), RS232, USB Type B (service)
	I/O Connection Ports	VGA-in, HDMI v.1.4 (2x), DVI-D, Component (5 BNC - RGBHV), VGA-out, RJ45 (HDBaseT), RS232, Wired Remote, 12V Trigger, USB mini-B (service)	
General	Dimensions (W x D x H)	18.5" x 20.3" x 8" (470x 517 x 202 mm)	18.5" x 20.3" x 8" (470 x 517 x 202 mm)
	Weight	55.1 lbs (25 kg)	55.1 lbs (25 kg)
	Speakers	20W	20W
	Noise Level	33dB / 30dB (Normal / Eco. Mode)	33 dB / 30 dB (Normal / Eco mode)
	Illumination Life and Type	Lamp free design, Laser light source lasting up to 20,000 hours	Lamp free design, Laser light source lasting up to 20,000 hours
	Power	Supply: AC 100-240V, 50/60Hz. Consumption: 530W (Eco. Mode). 650W (Normal Mode). <0.5W (Standby)	Supply AC: 100-240V, 50/60Hz Consumption: 650W (Eco mode 530W), <0.5W Standby"
	Available Colors	Black and White	Black and White



	DU8090Z	DU8190Z	DK8500Z	DU9800Z
Technology	Display Type	Single 0.67" DLP Technology by Texas Instruments		Single 0.67" DLP Technology by Texas Instruments
	Brightness	8,000 ANSI Lumens	10,000 ANSI Lumens	7,500 ANSI Lumens
Image	Native Resolution	WUXGA (1920 x 1200)	WUXGA (1920 x 1200)	UHD (3840 x 2160)
	Max. Supported Resolution	WUXGA (1920 x 1200) @60Hz	WUXGA (1920 x 1200) @60Hz	UHD (3840 x 2160) @60Hz
	Native Aspect Ratio	16:10	16:10	16:9
	Contrast Ratio	10,000:1	10,000:1	10,000:1
	Keystone Correction	V: +/-40°; H: +/-60°	V: +/-40°; H: +/-60°	V: +/-40°; H: +/-60°
	Zoom Ratio	Motorized Zoom & Focus	Motorized Zoom & Focus	Motorized Zoom & Focus
Optical	Offset	Motorized Lens Shift	Motorized Lens Shift	Motorized Lens Shift
	Lens Shift Range	V: +64%, -33%; H: +24%, -14%	V: +64%, -33%; H: +24%, -14%	V: +64%, -33%; H: +24%, -14%
	Image Size	dep. optional lens	dep. optional lens	dep. optional lens
	Projection Distance	dep. optional lens	dep. optional lens	dep. optional lens
	Projection Lens	8 optional lenses from 0.38:1 to 5.31-8.26:1 throw ratio range	8 optional lenses from 0.38:1 to 5.31-8.26:1 throw ratio range	8 optional lenses from 0.38:1 to 5.31-8.26:1 throw ratio range
	Projection Lens	8 optional lenses from 0.38:1 to 5.31-8.26:1 throw ratio range	8 optional lenses from 0.38:1 to 5.31-8.26:1 throw ratio range	8 optional lenses from 0.38:1 to 5.31-8.26:1 throw ratio range
Connectivity	I/O Connection Ports	VGA-In, HDMI v1.4 (x2), DVI-D, RJ45 (HDBaseT/LAN), 3G-SDI In, 3G-SDI Out, Component (5 BNC - RGBHV), VGA-Out (15pin D-Sub), Wired Remote Jack, 3D-Sync In, 3D-Sync Out, 12v Trigger (3.5mm Mini-Jack), RS232	VGA-In, HDMI v1.4 (x2), DVI-D, RJ45 (HDBaseT/LAN), 3G-SDI In, 3G-SDI Out, Component (5 BNC - RGBHV), VGA-Out (15pin D-Sub), Wired Remote Jack, 3D-Sync In, 3D-Sync Out, 12v Trigger (3.5mm Mini-Jack), RS232	HDMI v2.0 (x4), Display Port, RJ45 (HDBaseT), 3G-SDI In, 3G-SDI Out, Wired Remote Jack, 3D-Sync IR, 3D-Sync In, 3D-Sync Out, 12v Trigger (3.5mm Mini-Jack x2), RJ45 (LAN), RS232
	I/O Connection Ports	VGA-In, HDMI v1.4 (x2), DVI-D, RJ45 (HDBaseT/LAN), 3G-SDI In, 3G-SDI Out, Component (5 BNC - RGBHV), VGA-Out (15pin D-Sub), Wired Remote Jack, 3D-Sync In, 3D-Sync Out, 12v Trigger (3.5mm Mini-Jack), RS232	VGA-In, HDMI v1.4 (x2), DVI-D, RJ45 (HDBaseT/LAN), 3G-SDI In, 3G-SDI Out, Component (5 BNC - RGBHV), VGA-Out (15pin D-Sub), Wired Remote Jack, 3D-Sync In, 3D-Sync Out, 12v Trigger (3.5mm Mini-Jack), RS232	VGA-In, HDMI v1.4 (x2), DVI-D, 3G-SDI-In, Component (5 BNC - RGBHV), VGA-out, 3G-SDI-out, 3D-sync (-in/-out), RJ45 (HDBaseT), RS232, Wired Remote, 12V Trigger
General	Dimensions (W x D x H)	19.7" x 22.8" x 8.1" (500 x 580 x 205 mm)	19.7" x 22.8" x 8.1" (500 x 580 x 205 mm)	19.7" x 22.8" x 8.1" (500 x 580 x 205 mm)
	Weight	61.7 lbs (28 kg)	61.7 lbs (28 kg)	61.7 lbs (28 kg)
	Speakers	N/A	N/A	N/A
	Noise Level	40dB (Normal Mode)	40dB (Normal Mode)	40dB (Normal Mode)
	Illumination Life and Type	Lamp free design. Laser light source lasting up to 20,000 hours	Lamp free design. Laser light source lasting up to 20,000 hours	Lamp free design. Laser light source lasting up to 20,000 hours
	Power	Supply: AC 100-240V. 50/60Hz. Consumption: 675W (Eco. Mode), 850W (Normal Mode). <0.5W (Standby)	Supply: AC 100-240V. 50/60Hz. Consumption: <0.5W (Standby)	Supply: AC 100-240V. 50/60Hz Consumption: <0.5W (Standby)
	Available Colors	Black and White	Black and White	Black and White