



Entertainment Designed For Your Lifestyle



PHOTON LIFE

PH31 | PK31 | PK32



4K UHD and Full HD compact LED projectors

Get ready for cinema quality images and bright colors that bring your movies and games to life. Set up is super easy—just turn it on and dive in!



PHOTON® LIFE PH31, PK31, & PK32

4K UHD visuals, vivid color, big screen

Delivers 4LED up to 150 inches of projection and 4K UHD resolution. With HDR compatibility and wide color coverage—DCI-P3 and Rec.709—these compact projectors offer clear visuals and balanced contrast, making them a practical choice for those seeking solid performance and versatility. Dim the lights and enjoy movies, late night YouTube or binge watching with friends. (Not available for PH31)



Quick and easy setup

Whether it's the PH31 featuring auto vertical keystone correction or PK32 featuring auto focus and auto keystone correction, you can instantly adjust your image for a clear, properly aligned screen. Just turn it on, sit back, and enjoy.



No delay. Just play.

Experience smooth, responsive gameplay with just 16ms (4K at 60Hz) and 4.6ms (1080p at 240Hz) ultra-low input lag.* Designed for fast reflexes and real-time action, these projectors keep up when it counts—making them a solid pick for casual and competitive players alike. (Not available for PH31)



*Actual performance may vary depending on settings.

Product Specifications

Photon Life	PH31	PK31	4KULTRA HD	PK32	4KULTRA HD
Display/Image	Display technology	DLP®	DLP®	DLP®	DLP®
	Resolution	1080p (1920x1080)	4K UHD (3840x2160)	4K UHD (3840x2160)	4K UHD (3840x2160)
	Brightness	1,500 ISO Lumens / 2,700 HK Lumens	900 ISO Lumens / 1,600 HK Lumens	1,100 ISO Lumens / 2,000 HK Lumens	1,100 ISO Lumens / 2,000 HK Lumens
	Contrast ratio	250,000:1	200,000:1	250,000:1	250,000:1
	Native aspect ratio	16:9	16:9	16:9	16:9
	Aspect ratio - support	4:3, 16:9	4:3, 16:10	4:3, 16:10	4:3, 16:10
	Horizontal scan rate	15 KHz ~ 102 KHz	15 KHz ~ 255 KHz	15 KHz ~ 255 KHz	15 KHz ~ 255 KHz
	Vertical scan rate	23 Hz ~ 76 Hz	23 Hz ~ 240 Hz	23 Hz ~ 240 Hz	23 Hz ~ 240 Hz
	Uniformity	90%	90%	90%	90%
	Screen size	60" ~ 150" diagonal	60" ~ 150"	60" ~ 150" (120" with auto keystone)	60" ~ 150" (120" with auto keystone)
	DCI-P3	95%	95%	95%	95%
	HDR	NA	HDR10 HLG	HDR10 HLG	HDR10 HLG
	Color space & Bit depth	8-bit YCbCr 4:2:0 (60Hz) 8-bit YCbCr 4:2:2 (60Hz) 10-bit YCbCr 4:2:0 (60Hz) 10-bit YCbCr 4:2:2 (60Hz) 12-bit YCbCr 4:2:0 (30Hz) 12-bit YCbCr 4:2:2 (30Hz) 12-bit YCbCr 4:4:4 (30Hz)	8-bit YCbCr 4:2:0 (60Hz) 8-bit YCbCr 4:2:2 (60Hz) 10-bit YCbCr 4:2:0 (60Hz) 10-bit YCbCr 4:2:2 (60Hz) 12-bit YCbCr 4:2:0 (60Hz) 12-bit YCbCr 4:2:2 (60Hz) 12-bit YCbCr 4:4:4 (30Hz)	8-bit YCbCr 4:2:0 (60Hz) 8-bit YCbCr 4:2:2 (60Hz) 10-bit YCbCr 4:2:0 (60Hz) 10-bit YCbCr 4:2:2 (60Hz) 12-bit YCbCr 4:2:0 (60Hz) 12-bit YCbCr 4:2:2 (60Hz) 12-bit YCbCr 4:4:4 (30Hz)	8-bit YCbCr 4:2:0 (60Hz) 8-bit YCbCr 4:2:2 (60Hz) 10-bit YCbCr 4:2:0 (60Hz) 10-bit YCbCr 4:2:2 (60Hz) 12-bit YCbCr 4:2:0 (60Hz) 12-bit YCbCr 4:2:2 (60Hz) 12-bit YCbCr 4:4:4 (30Hz)
Light source	eARC	NA	NA	eARC Audio Formats: Dolby Digital, Dolby Digital Plus, Dolby TrueHD, DTS	eARC Audio Formats: Dolby Digital, Dolby Digital Plus, Dolby TrueHD, DTS
	Light source type	RGB LED	RGB LED	4LED RGBA	4LED RGBA
	Light source life	30,000 hours (eco mode)	30,000 hours (eco mode)	30,000 hours (eco mode)	30,000 hours (eco mode)
Optical	Throw ratio	1.5:1 - 165:1	1.5:1 - 1.65:1	1.12:1 --1.46:1	1.12:1 --1.46:1
	Projection distance	1092 mm ~ 5230 mm (60" ~ 150")	2092 mm ~ 5230 mm (60" ~ 150")	1718 mm ~ 4295 mm (60"~150"), 1718 mm ~ 3436 mm (60"-120" with auto keystone)	1718 mm ~ 4295 mm (60"~150"), 1718 mm ~ 3436 mm (60"-120" with auto keystone)
	Focus adjustment	Manual	Manual	Auto Focus (Motorized)	Auto Focus (Motorized)
	Optical Zoom	1.1x	1.1x	1.3x	1.3x
	Zoom type	Manual	Manual	Optical (Motorized)	Optical (Motorized)
	Digital zoom	NA	0.8 ~ 2x	0.8~2X	0.8~2X
	Focal length (mm)	15.843 mm ~ 17.445 mm	15.843 mm ~ 17.445 mm	11.9 mm ~ 15.5 mm	11.9 mm ~ 15.5 mm
	Geometry correct	Auto (max 120) Keystone, Manual V+H Keystone 40 degree / 40 degree	40 degree V+H Keystone	Auto Keystone (max 120*), Advanced Time of Flight: 21 degree Left/Right, 21 degree Up, 11 degree down, Manual V+H Keystone 40 degree / 40 degree	Auto Keystone (max 120*), Advanced Time of Flight: 21 degree Left/Right, 21 degree Up, 11 degree down, Manual V+H Keystone 40 degree / 40 degree
	Native offset	105%±3%	105%±3%	105%±3%	105%±3%
Connectivity	Connections	Inputs 1 x HDMI 1.4, 1 x USB-A (service) Outputs 1 x Audio out (3.5mm)	Inputs 1 x HDMI 2.0, 1 x USB-A (service) Outputs 1 x Audio out (3.5mm)	Inputs 2 x HDMI (eARC) 2.0, 1 x USB-A (service), 1 x UCB-C (Alt Mode Display 5V/2A) Outputs 1 x Audio out (3.5mm)	Inputs 2 x HDMI (eARC) 2.0, 1 x USB-A (service), 1 x UCB-C (Alt Mode Display 5V/2A) Outputs 1 x Audio out (3.5mm)
	Noise level (min)	26dB (eco mode)	26dB (eco mode)	27dB (eco mode)	27dB (eco mode)
	Noise level (max)	32dB (bright mode)	32dB (bright mode)	33dB (bright mode)	33dB (bright mode)
	PC compatibility	UHD, WQHD, WUXGA, FHD, UXGA, SXGA, WXGA, HD, XGA, SVGA, VGA, Mac	UHD, FHD, UXGA, SXGA, WXGA, HD, XGA, SVGA, VGA, Mac	UHD, FHD, UXGA, SXGA, WXGA, HD, XGA, SVGA, VGA, Mac	UHD, FHD, UXGA, SXGA, WXGA, HD, XGA, SVGA, VGA, Mac
	2D compatibility	480i/p, 576i/p, 720p (50/60Hz), 1080i (50/60Hz), 1080p (24/30/50/60/120/240Hz), 2160p (24/30/50/60Hz)	480i/p, 576i/p, 720p (50/60Hz), 1080i (50/60Hz), 1080p (24/30/50/60/120/240Hz), 2160p (24/30/50/60Hz), 1440p (60Hz/120Hz)	480i/p, 576i/p, 720p (50/60Hz), 1080i (50/60Hz), 1080p (24/30/50/60/120/240Hz), 2160p (24/30/50/60Hz), 1440p (60Hz/120Hz)	480i/p, 576i/p, 720p (50/60Hz), 1080i (50/60Hz), 1080p (24/30/50/60/120/240Hz), 2160p (24/30/50/60Hz), 1440p (60Hz/120Hz)
	Security	Security bar, Kensington Lock, Password protected interface	Security bar, Kensington Lock, Password protected interface	Security bar, Kensington Lock, Password protected interface	Security bar, Kensington Lock, Password protected interface
	OSD / display languages	27 languagesArabic, Czech, Danish, Dutch, English, 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	Max Temperature (operating): 0 ~ 40°C; Tolerance +/- 2°C Max Altitude (operating): 10,000 ft., for 0°C~30°C Max humidity (operating): 80% RH, non-condensing			
	Remote control	Infrared (IR) remote control	Infrared (IR) remote control	Infrared (IR) remote control	Infrared (IR) remote control
	Speaker count & Watts per speaker	1 x 5W	1 x 5W	2 x 5W	2 x 5W
	In the box	AC power adapter, remote control, 2 x AAA batteries, basic user manual, quick start guide			
	Input lag (game mode)**	Not supported	4K 60Hz: 16ms 1080P 60Hz: 16ms 1080P 120Hz: 8ms 1080P 240Hz: 4.6ms	4K 60Hz: 16ms 1080P 60Hz: 16ms 1080P 120Hz: 8ms 1080P 240Hz: 4.6ms	4K 60Hz: 16ms 1080P 60Hz: 16ms 1080P 120Hz: 8ms 1080P 240Hz: 4.6ms
Power	Power supply	AC 100 ~ 240V, 50 ~ 60 Hz	AC 100 ~ 240V, 50 ~ 60 Hz	AC 100 ~ 240V, 50 ~ 60 Hz	AC 100 ~ 240V, 50 ~ 60 Hz
	Power consumption (standby)	0.5 W	0.5 W	0.5 W	0.5 W
	Power consumption (eco mode)	69W (typical) , 86W (max) @110V AC 68W (typical) , 85W (max) @220V AC	55W (typical) , 73W (max) @110V AC 53W (typical) , 70W (max) @220V AC	70W (typical) , 103W (max) @110V AC 69W (typical) , 102W (max) @220V AC	70W (typical) , 103W (max) @110V AC 69W (typical) , 102W (max) @220V AC
	Power consumption (bright mode)	123W (typical) , 140W (max) @110V AC 121W (typical) , 138W (max) @220V AC	86W (typical) , 110W (max) @110V AC 84W (typical) , 105W (max) @220V AC	130W (typical) , 162W (max) @110V AC 128W (typical) , 160W (max) @220V AC	130W (typical) , 162W (max) @110V AC 128W (typical) , 160W (max) @220V AC
Weight and dimensions	Dimensions (W x D x H)	W/o feet: 9.37" x 8.46" x 4.64" With feet: 9.37" x 8.46" x 5.12"	W/o feet: 9.37" x 8.46" x 4.64" With feet: 9.37" x 8.46" x 5.12"	W/o feet: 9.37" x 8.46" x 4.64" With feet: 9.37" x 8.46" x 5.12"	W/o feet: 9.37" x 8.46" x 4.64" With feet: 9.37" x 8.46" x 5.12"
	Gross weight	8.82 lbs ± 0.44 lbs	8.82 lbs ± 0.44 lbs	9.92 lbs ± 0.44 lbs	9.92 lbs ± 0.44 lbs
	Net weight	5.2 lbs ± 0.44 lbs	5.2 lbs ± 0.44 lbs	6.1 lbs ± 0.44 lbs	6.1 lbs ± 0.44 lbs



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