

ZU660

Spectacular image quality, low maintenance and ultimate reliability









- 20,000 hours maintenance-free laser light source at full brightness**
- Dust resistant Independently tested, IP5X certified for total reliability
- 6500 center lumens laser WUXGA DLP projector
- Installation flexibility 7x lens options including Ultra short throw & dome lens

The ZU660 builds on the success of the ZU650+ professional installation projector. With enhanced features such as 4-corner correction and higher brightness it joins the DuraCore laser line up which combines industry-leading lifetime of the light source with an independent dust resistant certification for ultimate peace of mind.

Providing up to an astonishing 20,000 hours of impressive, virtually maintenance free operation, laser technology eliminates the need for lamp and filter replacements for an even lower total cost of ownership.

Designed for meeting rooms, boardrooms, auditoriums, museums and other large venues, the laser-phosphor light source delivers great colours and more consistent brightness, along with high resolution and contrast for stunning quality images. It is also ultra-quiet making the ZU660 an ideal companion for quieter environments, smaller rooms or those with lower ceilings.

Specifications

Display/image	
Display technology	DLP
Resolution	WUXGA (1920x1200)
Brightness	6,500 lumens
ANSI brightness	6,000 lumens
Contrast ratio	2,000,000:1
ANSI contrast ratio	250
Contrast ratio - dynamic	6,000:1
Contrast ratio - full on/off	2,000:1
Native aspect ratio	16:10
Aspect ratio - compatible	4:3,16:9,16:10
Keystone correction -	+/-20°
horizontal	17 25
Keystone correction -	+/-20°
vertical	
Uniformity	90%
Screen size	Dependent on lens
Lamp info	
Light source type	Laser
LASER life	20,000 hours
Optical	
Throw ratio	Dependent on lens
Projection distance	Dependent on lens
Lens options	BX-CTA16- 0.36 ~ 0.36
·	BX-CTA15- 0.75 ~ 0.95
	BX-CTA01- 0.95 ~ 1.22
	BX-CTA06- 1.22 ~ 1.53
	BX-CTA03- 1.52 ~ 2.92 BX-CTA13- 2.90 ~ 5.50
	BX-CTADOME- Dome lens
Connectivity	
Connections	Inputs 1 x HDMI, 1 x VGA (YPbPr/RGB), 1 x 3D sync, 1 x
	DVI-D, 1 x HDBaseT
	Outputs 1 x VGA (YPbPr/RGB), 1 x 3D sync
	Control 1 x RS232, 1 x Wired remote, 1 x USB-A service,
	1 x mini USB service, 1 x RJ45
General	
Noise level (typical)	36dB
Noise level (max)	38dB
Noise level (max) PC compatibility	38dB HD, UXGA, WXGA, SXGA+, SXGA, XGA, SVGA, VGA Resized, VESA, PC and Macintosh Compatible
Noise level (max)	38dB HD, UXGA, WXGA, SXGA+, SXGA, XGA, SVGA, VGA
Noise level (max) PC compatibility	38dB HD, UXGA, WXGA, SXGA+, SXGA, XGA, SVGA, VGA Resized, VESA, PC and Macintosh Compatible PAL (625/576i/p), SECAM, NTSC (525/480i/p), HDTV (720p,
Noise level (max) PC compatibility 2D compatibility	38dB HD, UXGA, WXGA, SXGA+, SXGA, XGA, SVGA, VGA Resized, VESA, PC and Macintosh Compatible PAL (625/576i/p), SECAM, NTSC (525/480i/p), HDTV (720p, 1080i/1080p)
Noise level (max) PC compatibility 2D compatibility	38dB HD, UXGA, WXGA, SXGA+, SXGA, XGA, SVGA, VGA Resized, VESA, PC and Macintosh Compatible PAL (625/576i/p), SECAM, NTSC (525/480i/p), HDTV (720p, 1080i/1080p) Side-by-Side:1080i50 / 60, 720p50 / 60 Frame-pack: 1080p24, 720p50 / 60 Over-Under: 1080p24, 720p50 / 60 Full 3D
Noise level (max) PC compatibility 2D compatibility 3D compatibility 3D Security	38dB HD, UXGA, WXGA, SXGA+, SXGA, XGA, SVGA, VGA Resized, VESA, PC and Macintosh Compatible PAL (625/576i/p), SECAM, NTSC (525/480i/p), HDTV (720p, 1080i/1080p) Side-by-Side:1080i50 / 60, 720p50 / 60 Frame-pack: 1080p24, 720p50 / 60 Over-Under: 1080p24, 720p50 / 60 Full 3D Security bar, Kensington Lock
Noise level (max) PC compatibility 2D compatibility 3D compatibility 3D Security IP rating	38dB HD, UXGA, WXGA, SXGA+, SXGA, XGA, SVGA, VGA Resized, VESA, PC and Macintosh Compatible PAL (625/576i/p), SECAM, NTSC (525/480i/p), HDTV (720p, 1080i/1080p) Side-by-Side:1080i50 / 60, 720p50 / 60 Frame-pack: 1080p24, 720p50 / 60 Over-Under: 1080p24, 720p50 / 60 Full 3D Security bar, Kensington Lock IP6X
Noise level (max) PC compatibility 2D compatibility 3D compatibility 3D Security	38dB HD, UXGA, WXGA, SXGA+, SXGA, XGA, SVGA, VGA Resized, VESA, PC and Macintosh Compatible PAL (625/576i/p), SECAM, NTSC (525/480i/p), HDTV (720p, 1080i/1080p) Side-by-Side:1080i50 / 60, 720p50 / 60 Frame-pack: 1080p24, 720p50 / 60 Over-Under: 1080p24, 720p50 / 60 Full 3D Security bar, Kensington Lock IP6X 11 languages: Dutch, English, French, German, Indonesian,
Noise level (max) PC compatibility 2D compatibility 3D compatibility 3D Security IP rating	38dB HD, UXGA, WXGA, SXGA+, SXGA, XGA, SVGA, VGA Resized, VESA, PC and Macintosh Compatible PAL (625/576i/p), SECAM, NTSC (525/480i/p), HDTV (720p, 1080i/1080p) Side-by-Side:1080i50 / 60, 720p50 / 60 Frame-pack: 1080p24, 720p50 / 60 Over-Under: 1080p24, 720p50 / 60 Full 3D Security bar, Kensington Lock IP6X 11 languages: Dutch, English, French, German, Indonesian, Italian, Japanese, Portuguese, Russian, Chinese (simplified),
Noise level (max) PC compatibility 2D compatibility 3D compatibility 3D Security IP rating OSD / display languages	38dB HD, UXGA, WXGA, SXGA+, SXGA, XGA, SVGA, VGA Resized, VESA, PC and Macintosh Compatible PAL (625/576i/p), SECAM, NTSC (525/480i/p), HDTV (720p, 1080i/1080p) Side-by-Side:1080i50 / 60, 720p50 / 60 Frame-pack: 1080p24, 720p50 / 60 Over-Under: 1080p24, 720p50 / 60 Full 3D Security bar, Kensington Lock IP6X 11 languages: Dutch, English, French, German, Indonesian, Italian, Japanese, Portuguese, Russian, Chinese (simplified), Spanish
Noise level (max) PC compatibility 2D compatibility 3D compatibility 3D Security IP rating OSD / display languages	38dB HD, UXGA, WXGA, SXGA+, SXGA, XGA, SVGA, VGA Resized, VESA, PC and Macintosh Compatible PAL (625/576i/p), SECAM, NTSC (525/480i/p), HDTV (720p, 1080i/1080p) Side-by-Side:1080i50 / 60, 720p50 / 60 Frame-pack: 1080p24, 720p50 / 60 Over-Under: 1080p24, 720p50 / 60 Full 3D Security bar, Kensington Lock IP6X 11 languages: Dutch, English, French, German, Indonesian, Italian, Japanese, Portuguese, Russian, Chinese (simplified), Spanish Yes
Noise level (max) PC compatibility 2D compatibility 3D compatibility 3D Security IP rating OSD / display languages 24/7 operation 360° operation	38dB HD, UXGA, WXGA, SXGA+, SXGA, XGA, SVGA, VGA Resized, VESA, PC and Macintosh Compatible PAL (625/576i/p), SECAM, NTSC (525/480i/p), HDTV (720p, 1080i/1080p) Side-by-Side:1080i50 / 60, 720p50 / 60 Frame-pack: 1080p24, 720p50 / 60 Over-Under: 1080p24, 720p50 / 60 Full 3D Security bar, Kensington Lock IP6X 11 languages: Dutch, English, French, German, Indonesian, Italian, Japanese, Portuguese, Russian, Chinese (simplified), Spanish Yes Yes
Noise level (max) PC compatibility 2D compatibility 3D compatibility 3D Security IP rating OSD / display languages 24/7 operation 360° operation Operating conditions	38dB HD, UXGA, WXGA, SXGA+, SXGA, XGA, SVGA, VGA Resized, VESA, PC and Macintosh Compatible PAL (625/576i/p), SECAM, NTSC (525/480i/p), HDTV (720p, 1080i/1080p) Side-by-Side:1080i50 / 60, 720p50 / 60 Frame-pack: 1080p24, 720p50 / 60 Over-Under: 1080p24, 720p50 / 60 Full 3D Security bar, Kensington Lock IP6X 11 languages: Dutch, English, French, German, Indonesian, Italian, Japanese, Portuguese, Russian, Chinese (simplified), Spanish Yes Yes 5 ~ 40 °C
Noise level (max) PC compatibility 2D compatibility 3D compatibility 3D Security IP rating OSD / display languages 24/7 operation 360° operation Operating conditions Remote control	38dB HD, UXGA, WXGA, SXGA+, SXGA, XGA, SVGA, VGA Resized, VESA, PC and Macintosh Compatible PAL (625/576i/p), SECAM, NTSC (525/480i/p), HDTV (720p, 1080i/1080p) Side-by-Side:1080i50 / 60, 720p50 / 60 Frame-pack: 1080p24, 720p50 / 60 Over-Under: 1080p24, 720p50 / 60 Full 3D Security bar, Kensington Lock IP6X 11 languages: Dutch, English, French, German, Indonesian, Italian, Japanese, Portuguese, Russian, Chinese (simplified), Spanish Yes Yes 5 ~ 40 °C Wired ProAV remote
Noise level (max) PC compatibility 2D compatibility 3D compatibility 3D Security IP rating OSD / display languages 24/7 operation 360° operation Operating conditions	38dB HD, UXGA, WXGA, SXGA+, SXGA, XGA, SVGA, VGA Resized, VESA, PC and Macintosh Compatible PAL (625/576i/p), SECAM, NTSC (525/480i/p), HDTV (720p, 1080i/1080p) Side-by-Side:1080i50 / 60, 720p50 / 60 Frame-pack: 1080p24, 720p50 / 60 Over-Under: 1080p24, 720p50 / 60 Full 3D Security bar, Kensington Lock IP6X 11 languages: Dutch, English, French, German, Indonesian, Italian, Japanese, Portuguese, Russian, Chinese (simplified), Spanish Yes Yes 5 ~ 40 °C Wired ProAV remote AAA Battery, AC power cable 3M, Lens cover, VGA cable
Noise level (max) PC compatibility 2D compatibility 3D compatibility 3D Security IP rating OSD / display languages 24/7 operation 360° operation Operating conditions Remote control In the box	38dB HD, UXGA, WXGA, SXGA+, SXGA, XGA, SVGA, VGA Resized, VESA, PC and Macintosh Compatible PAL (625/576i/p), SECAM, NTSC (525/480i/p), HDTV (720p, 1080i/1080p) Side-by-Side:1080i50 / 60, 720p50 / 60 Frame-pack: 1080p24, 720p50 / 60 Over-Under: 1080p24, 720p50 / 60 Full 3D Security bar, Kensington Lock IP6X 11 languages: Dutch, English, French, German, Indonesian, Italian, Japanese, Portuguese, Russian, Chinese (simplified), Spanish Yes Yes 5 ~ 40 °C Wired ProAV remote AAA Battery, AC power cable 3M, Lens cover, VGA cable 1.8m, User manual CD, Quick start guide
Noise level (max) PC compatibility 2D compatibility 3D compatibility 3D Security IP rating OSD / display languages 24/7 operation 360° operation Operating conditions Remote control In the box Optional wireless models	38dB HD, UXGA, WXGA, SXGA+, SXGA, XGA, SVGA, VGA Resized, VESA, PC and Macintosh Compatible PAL (625/576i/p), SECAM, NTSC (525/480i/p), HDTV (720p, 1080i/1080p) Side-by-Side:1080i50 / 60, 720p50 / 60 Frame-pack: 1080p24, 720p50 / 60 Over-Under: 1080p24, 720p50 / 60 Full 3D Security bar, Kensington Lock IP6X 11 languages: Dutch, English, French, German, Indonesian, Italian, Japanese, Portuguese, Russian, Chinese (simplified), Spanish Yes Yes 5 ~ 40 °C Wired ProAV remote AAA Battery, AC power cable 3M, Lens cover, VGA cable
Noise level (max) PC compatibility 2D compatibility 3D compatibility 3D Security IP rating OSD / display languages 24/7 operation 360° operation Operating conditions Remote control In the box	38dB HD, UXGA, WXGA, SXGA+, SXGA, XGA, SVGA, VGA Resized, VESA, PC and Macintosh Compatible PAL (625/576i/p), SECAM, NTSC (525/480i/p), HDTV (720p, 1080i/1080p) Side-by-Side:1080i50 / 60, 720p50 / 60 Frame-pack: 1080p24, 720p50 / 60 Over-Under: 1080p24, 720p50 / 60 Full 3D Security bar, Kensington Lock IP6X 11 languages: Dutch, English, French, German, Indonesian, Italian, Japanese, Portuguese, Russian, Chinese (simplified), Spanish Yes Yes 5 ~ 40 °C Wired ProAV remote AAA Battery, AC power cable 3M, Lens cover, VGA cable 1.8m, User manual CD, Quick start guide
Noise level (max) PC compatibility 2D compatibility 3D compatibility 3D Security IP rating OSD / display languages 24/7 operation 360° operation Operating conditions Remote control In the box Optional wireless models Networking	38dB HD, UXGA, WXGA, SXGA+, SXGA, XGA, SVGA, VGA Resized, VESA, PC and Macintosh Compatible PAL (625/576i/p), SECAM, NTSC (525/480i/p), HDTV (720p, 1080i/1080p) Side-by-Side:1080i50 / 60, 720p50 / 60 Frame-pack: 1080p24, 720p50 / 60 Over-Under: 1080p24, 720p50 / 60 Full 3D Security bar, Kensington Lock IP6X 11 languages: Dutch, English, French, German, Indonesian, Italian, Japanese, Portuguese, Russian, Chinese (simplified), Spanish Yes Yes 5 ~ 40 °C Wired ProAV remote AAA Battery, AC power cable 3M, Lens cover, VGA cable 1.8m, User manual CD, Quick start guide QuickCast starter kit
Noise level (max) PC compatibility 2D compatibility 3D compatibility 3D Security IP rating OSD / display languages 24/7 operation 360° operation Operating conditions Remote control In the box Optional wireless models Networking LAN	38dB HD, UXGA, WXGA, SXGA+, SXGA, XGA, SVGA, VGA Resized, VESA, PC and Macintosh Compatible PAL (625/576i/p), SECAM, NTSC (525/480i/p), HDTV (720p, 1080i/1080p) Side-by-Side:1080i50 / 60, 720p50 / 60 Frame-pack: 1080p24, 720p50 / 60 Over-Under: 1080p24, 720p50 / 60 Full 3D Security bar, Kensington Lock IP6X 11 languages: Dutch, English, French, German, Indonesian, Italian, Japanese, Portuguese, Russian, Chinese (simplified), Spanish Yes Yes 5 ~ 40 °C Wired ProAV remote AAA Battery, AC power cable 3M, Lens cover, VGA cable 1.8m, User manual CD, Quick start guide QuickCast starter kit
Noise level (max) PC compatibility 2D compatibility 3D compatibility 3D Security IP rating OSD / display languages 24/7 operation 360° operation Operating conditions Remote control In the box Optional wireless models Networking LAN Power Power Supply	38dB HD, UXGA, WXGA, SXGA+, SXGA, XGA, SVGA, VGA Resized, VESA, PC and Macintosh Compatible PAL (625/576i/p), SECAM, NTSC (525/480i/p), HDTV (720p, 1080i/1080p) Side-by-Side:1080i50 / 60, 720p50 / 60 Frame-pack: 1080p24, 720p50 / 60 Over-Under: 1080p24, 720p50 / 60 Full 3D Security bar, Kensington Lock IP6X 11 languages: Dutch, English, French, German, Indonesian, Italian, Japanese, Portuguese, Russian, Chinese (simplified), Spanish Yes Yes 5 ~ 40 °C Wired ProAV remote AAA Battery, AC power cable 3M, Lens cover, VGA cable 1.8m, User manual CD, Quick start guide QuickCast starter kit
Noise level (max) PC compatibility 2D compatibility 3D compatibility 3D Security IP rating OSD / display languages 24/7 operation 360° operation Operating conditions Remote control In the box Optional wireless models Networking LAN Power	38dB HD, UXGA, WXGA, SXGA+, SXGA, XGA, SVGA, VGA Resized, VESA, PC and Macintosh Compatible PAL (625/576i/p), SECAM, NTSC (525/480i/p), HDTV (720p, 1080i/1080p) Side-by-Side:1080i50 / 60, 720p50 / 60 Frame-pack: 1080p24, 720p50 / 60 Over-Under: 1080p24, 720p50 / 60 Full 3D Security bar, Kensington Lock IP6X 11 languages: Dutch, English, French, German, Indonesian, Italian, Japanese, Portuguese, Russian, Chinese (simplified), Spanish Yes Yes 5 ~ 40 °C Wired ProAV remote AAA Battery, AC power cable 3M, Lens cover, VGA cable 1.8m, User manual CD, Quick start guide QuickCast starter kit Yes 100 - 240V, 50 - 60Hz
Noise level (max) PC compatibility 2D compatibility 3D compatibility 3D Security IP rating OSD / display languages 24/7 operation 360° operation Operating conditions Remote control In the box Optional wireless models Networking LAN Power Power Power supply Power consumption	38dB HD, UXGA, WXGA, SXGA+, SXGA, XGA, SVGA, VGA Resized, VESA, PC and Macintosh Compatible PAL (625/576i/p), SECAM, NTSC (525/480i/p), HDTV (720p, 1080i/1080p) Side-by-Side:1080i50 / 60, 720p50 / 60 Frame-pack: 1080p24, 720p50 / 60 Over-Under: 1080p24, 720p50 / 60 Full 3D Security bar, Kensington Lock IP6X 11 languages: Dutch, English, French, German, Indonesian, Italian, Japanese, Portuguese, Russian, Chinese (simplified), Spanish Yes Yes 5 ~ 40 °C Wired ProAV remote AAA Battery, AC power cable 3M, Lens cover, VGA cable 1.8m, User manual CD, Quick start guide QuickCast starter kit Yes 100 - 240V, 50 - 60Hz
Noise level (max) PC compatibility 2D compatibility 3D compatibility 3D Security IP rating OSD / display languages 24/7 operation 360° operation Operating conditions Remote control In the box Optional wireless models Networking LAN Power Power supply Power consumption (standby)	38dB HD, UXGA, WXGA, SXGA+, SXGA, XGA, SVGA, VGA Resized, VESA, PC and Macintosh Compatible PAL (625/576i/p), SECAM, NTSC (525/480i/p), HDTV (720p, 1080i/1080p) Side-by-Side:1080i50 / 60, 720p50 / 60 Frame-pack: 1080p24, 720p50 / 60 Over-Under: 1080p24, 720p50 / 60 Full 3D Security bar, Kensington Lock IP6X 11 languages: Dutch, English, French, German, Indonesian, Italian, Japanese, Portuguese, Russian, Chinese (simplified), Spanish Yes Yes 5 ~ 40 °C Wired ProAV remote AAA Battery, AC power cable 3M, Lens cover, VGA cable 1.8m, User manual CD, Quick start guide QuickCast starter kit Yes 100 - 240V, 50 - 60Hz 0.5W
Noise level (max) PC compatibility 2D compatibility 3D compatibility 3D Security IP rating OSD / display languages 24/7 operation 360° operation Operating conditions Remote control In the box Optional wireless models Networking LAN Power Power supply Power consumption (standby) Power consumption (min)	38dB HD, UXGA, WXGA, SXGA+, SXGA, XGA, SVGA, VGA Resized, VESA, PC and Macintosh Compatible PAL (625/576i/p), SECAM, NTSC (525/480i/p), HDTV (720p, 1080i/1080p) Side-by-Side:1080i50 / 60, 720p50 / 60 Frame-pack: 1080p24, 720p50 / 60 Over-Under: 1080p24, 720p50 / 60 Full 3D Security bar, Kensington Lock IP6X 11 languages: Dutch, English, French, German, Indonesian, Italian, Japanese, Portuguese, Russian, Chinese (simplified), Spanish Yes Yes 5 ~ 40 °C Wired ProAV remote AAA Battery, AC power cable 3M, Lens cover, VGA cable 1.8m, User manual CD, Quick start guide QuickCast starter kit Yes 100 - 240V, 50 - 60Hz 0.5W 470W
Noise level (max) PC compatibility 2D compatibility 3D compatibility 3D Security IP rating OSD / display languages 24/7 operation 360° operation Operating conditions Remote control In the box Optional wireless models Networking LAN Power Power supply Power consumption (standby) Power consumption (min) Power consumption (max)	38dB HD, UXGA, WXGA, SXGA+, SXGA, XGA, SVGA, VGA Resized, VESA, PC and Macintosh Compatible PAL (625/576i/p), SECAM, NTSC (525/480i/p), HDTV (720p, 1080i/1080p) Side-by-Side:1080i50 / 60, 720p50 / 60 Frame-pack: 1080p24, 720p50 / 60 Over-Under: 1080p24, 720p50 / 60 Full 3D Security bar, Kensington Lock IP6X 11 languages: Dutch, English, French, German, Indonesian, Italian, Japanese, Portuguese, Russian, Chinese (simplified), Spanish Yes Yes 5 ~ 40 °C Wired ProAV remote AAA Battery, AC power cable 3M, Lens cover, VGA cable 1.8m, User manual CD, Quick start guide QuickCast starter kit Yes 100 - 240V, 50 - 60Hz 0.5W 470W
Noise level (max) PC compatibility 2D compatibility 3D compatibility 3D Security IP rating OSD / display languages 24/7 operation 360° operation Operating conditions Remote control In the box Optional wireless models Networking LAN Power Power Power supply Power consumption (standby) Power consumption (min) Power consumption (max) Weight and dimensions	38dB HD, UXGA, WXGA, SXGA+, SXGA, XGA, SVGA, VGA Resized, VESA, PC and Macintosh Compatible PAL (625/576i/p), SECAM, NTSC (525/480i/p), HDTV (720p, 1080i/1080p) Side-by-Side:1080i50 / 60, 720p50 / 60 Frame-pack: 1080p24, 720p50 / 60 Over-Under: 1080p24, 720p50 / 60 Full 3D Security bar, Kensington Lock IP6X 11 languages: Dutch, English, French, German, Indonesian, Italian, Japanese, Portuguese, Russian, Chinese (simplified), Spanish Yes Yes 5 ~ 40 °C Wired ProAV remote AAA Battery, AC power cable 3M, Lens cover, VGA cable 1.8m, User manual CD, Quick start guide QuickCast starter kit Yes 100 - 240V, 50 - 60Hz 0.5W 470W 650W



