# ZH406
Compact high brightness laser projector

24/7   360°   AUTO OFF



- **Bright Full HD 1080p DuraCore laser projector - 4500 ANSI lumens**

- **Versatile - 1.6x zoom, vertical lens shift, portrait mode**

- **Ultimate Control - Crestron, Extron, AMX, PJ-Link and Telnet LAN commands**

- **30,000 hours maintenance-free laser light source**

The ZH406 projector is more convenient than ever with a longer life and a smaller, lighter chassis than ever before. The ZH406 is a low maintenance projector with extremely long-life laser technology offering an impressive 4500lms brightness.

With 1.6 zoom, vertical lens-shift and built in 15W speakers the ZH406 is part of a range a range of products that come with the added control flexibility of Crestron.

# Specifications

## Display/image

| | |
|---|---|
| Display technology | DLP™ |
| Resolution | 1080p Full HD (1920x1080) |
| Brightness | 4,500 lumens |
| Contrast ratio | 300,000:1 |
| Native aspect ratio | 16:9 |
| Aspect ratio - compatible | 4:3 |
| Keystone correction - horizontal | +/-30° |
| Keystone correction - vertical | +/-30° |
| Has vertical auto keystone correction | Yes |
| Displayable colours (millions) | 1073.4 |
| Horizontal scan rate | 15.375 ~ 91.146 Khz |
| Vertical scan rate | 50 ~ 85 Hz (120Hz for 3D)Hz |
| Uniformity | 80% |
| Screen size | 0.51m ~ 8.14m (20.2" ~ 320.4") diagonal |

## Lamp info

| | |
|---|---|
| Light source type | Laser |
| LASER life | 30,000 hours |

## Optical

| | |
|---|---|
| Throw ratio | 1.4:1 ~ 2.24:1 |
| Projection distance (m) | 1m - 10m |
| Zoom | 1.6 |
| Zoom type | Manual |
| Focal length (mm) | 20.91mm~32.62mm/0.823"~1.284" |
| Lens shift | Vertical: +/-16% |
| Native offset | 100% |
| Lens shift | Yes - {{downloads_link}} |

## Connectivity

| | |
|---|---|
| Connections | **Inputs** 1 x HDMI 2.0, 1 x HDMI 1.4a 3D support, 1 x VGA (YPbPr/RGB), 2 x Audio 3.5mm, 1 x Mic 3.5mm, 1 x Composite video |
| | **Outputs** 1 x VGA, 1 x Audio 3.5mm, 1 x USB-A power 1.5A |
| | **Control** 1 x RS232, 1 x RJ45, 1 x 12V trigger, 1 x micro USB service, 1 x 3D sync |

## General

| | |
|---|---|
| Noise level (typical) | 30dB |
| Noise level (max) | 32dB |
| PC compatibility | UHD, FHD, UXGA, SXGA, WXGA, HD, XGA, SVGA, VGA, Mac |
| 2D compatibility | NTSC M/J, 3.58MHz, 4.43MHz PAL B/D/G/H/I/M/N, 4,43MHz SECAM B/D/G/K/K1/L, 4.25/4.4MHz 480i/p, 576i/p, 720p(50/60Hz), 1080i(50/60Hz), 1080p(50/60Hz) |
| 3D compatibility | Side-by-Side:1080i50 / 60, 720p50 / 60 Frame-pack: 1080p24, 720p50 / 60 Over-Under: 1080p24, 720p50 / 60 |
| 3D | Full 3D |
| Security | Security bar, Kensington Lock, Password protected interface |
| IP rating | IP6X |
| OSD / display languages | 25 languages: Arabic, Czech, Danish, Dutch, English, Farsi, Finnish, French, German, Greek, Hungarian, Indonesian, Italian, Japanese, Norwegian, Polish, Portuguese, Romanian, Russian, Chinese (simplified), Spanish, Swedish, Chinese (traditional), Turkish, Vietnamese |
| 24/7 operation | Yes |
| Operating conditions | 5°C~40°C/41°F~104°F, max altitude 3000M/9843ft, max humidity 85% |
| Remote control | Backlit ProAV remote |
| Heat dissipation | 918BTU/hour |
| Speaker count | 2 |
| Watts per speaker | 10W |
| In the box | AC power cord<br>Remote control<br>2x AAA batteries<br>Basic user manual |
| Optional wireless models | UHDCast Pro, QuickCast Bundle, QuickCast starter kit |

## Networking

| | |
|---|---|
| LAN - control | Yes |

## Power

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|---|---|
| Power supply | 100V ~ 240V, 50-60Hz |
| Power consumption (standby) | <0.5W |
| Power consumption (min) | 206W |
| Power consumption (max) | 269W |

## Weight and dimensions

| | |
|---|---|
| Dimensions (W x D x H) mm | 337 x 265 x 122.5 |
| Gross weight | 6.22 kg |
| Net weight | 4.55 kg |