ZH461
Compact high brightness laser projector

- **Bright Full HD 1080p DuraCore laser projector -** 5000 lumens
- **Versatile -** 1.6x zoom, vertical lens shift, portrait mode
- **Ultimate control -** Crestron, Extron, AMX, PJ-Link and Telnet LAN commands
- **Long lifetime and high reliability -** 30,000 hours of virtually maintenance-free operation

The ZH461 projector offers true convenience with low maintenance and longer-life laser technology in a small and lightweight chassis. It also features 4K and HDR compatibility and an impressive 5000 lumens.
### Specifications

**Display/image**
- Display technology: DLP™
- Resolution: 1080p Full HD (1920x1080)
- Brightness: 5,000 lumens
- Contrast ratio: 300,000:1
- Native aspect ratio: 16:9
- 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 ~ 2.2:1
  - Projection distance (m): 1m ~ 10m
  - Zoom: 1.6
  - Zoom type: Manual
  - Focus length (mm): 20.9mm ~ 32.6mm / 0.823" ~ 1.284"
  - Lens shift: Vertical: +/-16%
  - Keystone correction - vertical: +/-30°
- Connectivity
  - Control: 1 x RS232, 1 x RJ45, 1 x 12V trigger, 1 x micro USB service, 1 x 3D sync
  - 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
  - Data remote with mouse function
- General
  - Noise level (typical): 30dB
  - Noise level (max): 32dB
  - 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
  - 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
  - 360° operation: Yes
  - Operating conditions
    - 5°C ~ 40°C / 41°F ~ 104°F, max altitude 3000M/9843 ft, max humidity 85%
  - Heat dissipation: <918 BTU/hour
  - Speaker count: 2
  - Watts per speaker: 10W
  - In the box
    - AG power card
    - Remote control
    - 2x AAA batteries
    - Basic user manual
  - Input lag: 16.20ms
  - Optional wireless models
    - UHDcast Pro, QuickCast Bundle, QuickCast starter kit

### Networking
- LAN - control: Yes

### Power
- Power supply: 100V ~ 240V, 50-60Hz
- Power consumption (standby): <0.5W
- Power consumption (min): 22W
- Power consumption (max): 292W

### Weight and dimensions
- Dimensions (W x D x H) mm: 337 x 265 x 122.5
- Gross weight: 6.6 kg
- Net weight: 4.5 kg