Tempest is the world’s leading manufacturer of large format indoor projector enclosures for noise attenuation in presentation suites, digital cinema, live theatre and concert venues — any noise-sensitive indoor space.

Until now, Tempest’s Whispr and Tacit enclosures achieved excellent noise attenuation through the use of cooling fans located in a remote location, so that their noise is not disturbing to the audience.

The remote fan strategy delivers excellent acoustic performance, but may not be feasible for installation in some venues, including historic theatres, concert halls and museums, where new ductwork may be prohibited.

Now, Tempest Zen enclosures offer a standalone solution, with noise attenuation close to remote fan levels, but without the need for inlet or exhaust ducts.

Zen enclosures use overdimensioned thermostatically controlled DC fans, running as slowly (and quietly) as possible, consistent with maintaining a user-set maximum temperature inside the enclosure. So you can tune the system yourself for the optimal tradeoff between running temperature and noise attenuation.

**Projector Access**

Zen offers excellent projector access, with opening side doors, allowing the projector to slide smoothly out of the enclosure for routine maintenance. Specify left or right side when ordering.

Standard color: White (RAL 9003). Black and custom colors to order.

**Integral Cooling**

Inlet air enters through the base, through an inlet labyrinth made from fire-resistant melamine acoustic foam. It then passes through an electrostatic dust filter before reaching the projector.

Air exhaust is similarly wound through an exhaust labyrinth above the projector chamber and exhausted above the enclosure port glass.

**Variable-Speed DC Fans**

Zen is equipped with Tempest’s patented DEC4 Digital Enclosure Control system, featuring a comprehensive display and remote monitoring options.

**Integral Cooling**

Zen 57.150, for most projectors with 12,15,000 ANSI lumen output.

Tip: You can specify any Zen model to slide left (shown here) or right.
Variable Speed Fan Control
Zen enclosures use powerful DC fans, thermostatically controlled to maintain a user-set maximum internal temperature. Since the fans used are significantly over-dimensioned, it follows that they can run very slowly - and quietly - to keep the projector cool. This means longer fan and filter life, and quietest possible operation.

The user can adjust the target temperature to a predetermined tradeoff between temperature and noise level tailored to the needs of every installation.

Individual Fan Monitoring
Zen enclosures can also tell you how each fan in a whole installation is performing. DEC4 compares calculated and actual fan speed, and is able to alert you if one of the fans in a system needs attention.

Combined with Tempest’s upcoming remote monitoring service this means you could be receiving an alert on your smartphone one day telling you it’s time to check the third fan on enclosure two!

Zen System Monitoring

51.485 RS485 Comms Board
Daisy-chain a group of Zen enclosures together with this RS485 board — one per enclosure.

51.EN Ethernet Comms Bridge
Use this RS485/Ethernet adapter to connect one Zen or a group of Zen enclosures connected using RS485 to a PC or Tempest System Manager

51.TSM System Manager
The Tempest System Manager (coming soon) monitors any Tempest G4 system, with any number of enclosures. System manager may be connected to a PC for local monitoring, and/or to the internet, for remote monitoring.

For more on DEC4 and remote monitoring, download the Zen User Manual from www.tempest.biz
Zen Models

Enclosure Dimensions

All the enclosures in this brochure are shown in our standard warm white semi-gloss finish or black. Any RAL color available to special order.

Enclosure Power

Max Projector Dimensions/Shipping Dimensions

Custom Colors

Options

Model | Projectors | A (in/mm) | B (in/mm) | C (in/mm) | D (in/mm) | E (in/mm) | F (in/mm) | Weight
--- | --- | --- | --- | --- | --- | --- | --- | ---
57.150.L | Most 10-15,000 Lumen Projectors * | 46/1168 | 32/813 | 25/635 | 44/1118 | 30/762 | 10/254 | 112lb 51kg
57.310.L | Most 25-30,000 Lumen Projectors* | 59/1499 | 35/889 | 29/737 | 57/1448 | 33/838 | 10/254 | 184lb 84kg
57.320.L | Christie PT-RZ21K | 67/1702 | 38/965 | 31/787 | 65/1651 | 36/914 | 10/254 | 253lb 115kg
57.324.L | Christie D4K40-RGB | 57/1448 | 35/889 | 35/1397 | 36/914 | 10/254 | 253lb 115kg
57.324.P | Christie D4K40-RGB (Portrait) | 57/1448 | 30/762 | 44/1118 | 55/1397 | 28/711 | 10/254 | 253lb 115kg

* Max length including lens, cables, connectors

All Zen models are suited to power supplies @ 90-260VAC, 50/60Hz. Max enclosure power consumption 200W

Model | Typical Projectors | Max Length* | Max Width | Max Height | Max Power | Packed L (in/mm) | Packed W (in/mm) | Packed H (in/mm) | Packed Wt lb/kg
--- | --- | --- | --- | --- | --- | --- | --- | --- | ---
57.310.L | Barco UDX, Christie Boxer/Crimson | 49/1245 | 28/711 | 17/432 | 3500W | 70/1778 | 43/1092 | 40/1016 | 334/152
57.320.L | Panasonic PT-RZ21K | 57/1448 | 30/762 | 22/432 | 4000W | 72/1829 | 46/1168 | 42/1016 | 433/197
57.324.L | Christie D4K40-RGB | 45/1143 | 30/762 | 22/559 | 4000W | 70/1778 | 46/1168 | 45/1143 | 422/192
57.324.P | Christie D4K40-RGB (Portrait) | 45/1143 | 30/762 | 22/559 | 4000W | 70/1778 | 40/1016 | 52/1320 | 422/192

All Zen models are suited to power supplies @ 90-260VAC, 50/60Hz. Max enclosure power consumption 200W

Options

57.UR.xxx | Unistrut Rail Kit (Use the 3-digit enclosure model #, eg 57.UR.210 for Zen 57.210) | 57.707.150 | Replacement Inlet Filter Zen 150
57.707.210 | Replacement Inlet Filter Zen 210, 310
57.707.320 | Replacement Inlet Filter Zen 320, 324
## Zen Configurator

*Please complete this form and email us at info@tempest.biz*

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| * Gloss levels higher than 30% may show up weld marks. Tempest advises against high gloss finishes and accepts no liability in this event.

### Projector Power Outlet (all types include 2 x IEC 60320 C13 Aux Power):

- IEC 60320 C19 20Amp:  □
- IEC 60309 30/32Amp:  □
- Custom (specify):  □

### Custom Requests:

User manuals, 2D and 3D CAD drawings at www.tempest.biz