

Zen Hush Projector Enclosures 10-40K



Zen Hush Projector Enclosures

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.

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 though an exhaust labyrinth above the projector chamber and exhausted above the enclosure port glass. perature 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 slide when ordering.

Standard colors: White (RAL 9003) or Black. Custom colors to order.

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

zen : a state of calm attentiveness in which one's actions are guided by intuition rather than by conscious effort.

> Webster's Dictionary



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.

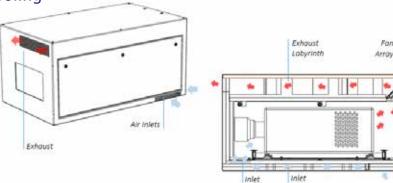
Variable-Speed DC Fans

Zen enclosures use overdimensioned thermostatically controlled DC fans, running as slowly (and quietly) as possible, consistent with maintaining a user-set maximum temZen is equipped with Tempest's patented DEC4 Digital Enclosure Control system, featuring a comprehensive display and remote monitoring options.

Labyrinth

Filter

Integral Cooling



Zen Fan Control

Zen Hush Projector Enclosures

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 achieve a predetermined tradeoff between temperature and noise level tailored to the needs of every installation.

Individual Fan Monitoring

Set Line Termination

enclosure of each RS485 run

Switch in last

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 the JESE Agent remote monitoring service this means you could be receiving an email telling you it's time to check the third fan on enclosure two!

Zen System Monitoring

OPTIONAL

DMX/RDM

SPLITTER

2000.195

RDM-TRI

USB

DMX

More RDM/DMX

Universes

RS485 Comms (standard)

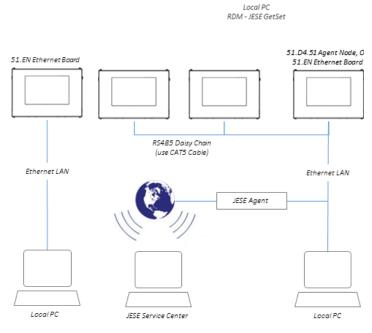
Daisy-chain a group of enclosures together with this RS485 board — one per enclosure, and monitor using a JESE RDM-TXI interface (Tempest part # 2000.195).

51.EN Ethernet Comms

Use this Ethernet adapter to connect one enclosure or a group of enclosures connected using RS485 to a PC, and monitor using Tempest TEMP protocol. Download the TEMP Developer Guide from www. tempest.biz/tech-support.

JESE Agent - Global Monitoring

Now, there's Agent, from Tempest partner JESE — monitor larger systems in the site control room, or worldwide, from our UK-based control center see more below...



RS485 (DMX/RDM) Daisy Chain

(OPTIONAL) SHOW

CONTROL SYSTEM



Zen Hush Projector Enclosures

With JESE's groundbreaking AGENT monitoring system, you can see exactly what's going on, in every one of those missioncritical enclosures.

And so can we...

We can log into your AGENT system from JESE's UK support center, and help you identify and fix problems — even upload new firmware to your enclosures if that's what you need.

Low Risk — High Reward

For a very modest initial outlay, and an annual service fee, you can rest assured that your system will alert you to any potential or actual problems, and you will have access to system upgrades and real-time support, from experts who can see right into your system.

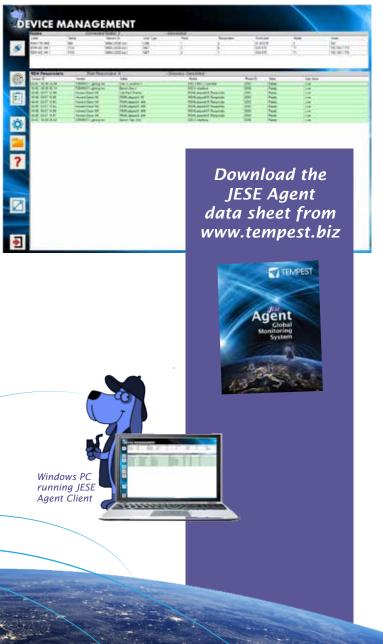
Low risk, very high reward.

Remote Access over Internet

JESE Agent—Global Monitoring

And there's more...

AGENT supports the published ANSI DMX and RDM standards, so it can be used to monitor any compliant products, seamlessly with your Tempest enclosures.





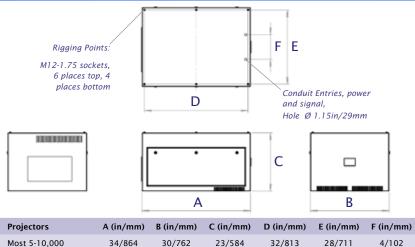
Weight

Zen Models

Enclosure Dimensions

CAD Downloads: 2D DWG and PDF, 3D STEP files at www.tempest.biz

Model



| | | | | | | | | - |
|----------|--------------------------------------|---------|--------|---------|---------|--------|--------|----------------|
| 57.100.L | Most 5-10,000 Lumen Projectors * | 34/864 | 30/762 | 23/584 | 32/813 | 28/711 | 4/102 | 118lb 54kg |
| 57.150.L | Most 10-15,000 Lumen Projectors * | 44/1120 | 32/813 | 26/660 | 42/1067 | 30/762 | 4/102 | 185lb 84kg |
| 57.210.L | Most 20,000 Lumen Projectors * | 51/1295 | 32/813 | 26/660 | 49/1245 | 30/762 | 4/102 | 247lb 112kg |
| 57.310.L | Most 25-30,000 Lumen Projectors* | 59/1499 | 34/864 | 29/737 | 57/1448 | 32/813 | 4/102 | 302lb 137kg |
| 57.320.L | Panasonic PT-RZ31K | 67/1702 | 37/940 | 29/740 | 65/1651 | 35/889 | 4/102 | 387lb 176kg |
| 57.324.L | Christie D4K40-RGB | 58/1470 | 37/940 | 38/965 | 56/1397 | 35/889 | 4/102 | 421lb 192kg |
| 57.324.P | Christie D4K40-RGB (Portrait) | 58/1470 | 30/762 | 45/1143 | 55/1397 | 28/711 | 10/254 | 412lb 187kg |

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 |
|----------|--|-------------------------------|--------------|---------------|--------------|-------------|---------------------|---------------------|---------------------|--------------------|
| 57.100.L | Panasonic PT-RZ120 Christie DHD-1075-HS Epson L1700 DPI E-Vision Laser10K | 27/686 | 24.5/622 | 10/254 | 1250W | S H I | 43/1090 | 40/1020 | 36/910 | 208/95 |
| 57.150.L | Barco F80 Christie HS (16K) Panasonic PT-RZ12 (sł | 34/864 hort lenses) | 25.5/648 | 14.5/368 | 1500W | P P | 55/1400 | 42/1070 | 39/991 | 274/125 |
| 57.210.L | Christie HS (20K) Panasonic PT-RZ12 (lo Panasonic PT-DZ21K Panasonic PT-RZ21K | 41/1041 ang lenses) | 25.5/648 | 14.5/368 | 2300W | I N G | 60/1524 | 42/1067 | 39/991 | 334/152 |
| 57.310.L | Barco UDX Christie Boxer/ Crimson | 49/1245 | 27.5/699 | 17.5/445 | 3500W | | 68/1730 | 44/1118 | 42/1070 | 433/197 |
| 57.320.L | Panasonic PT-RZ31K | 57/1448 | 30.5/775 | 17.5/445 | 4000W | | 76/1930 | 47/1190 | 42/1070 | 512/233 |
| 57.324.L | Christie D4K40-RGB | 48/1219 | 30.5/775 | 26.5/673 | 4000W | | 67/1700 | 47/1190 | 51/1295 | 581/264 |
| 57.324.P | Christie D4K40-RGB | 45/1143 | 30.5/775 | 26.5/673 | 4000W | | 67/1700 | 40/1020 | 58/1473 | 564/256 |

* Max length including lens, cables, connectors

Ethernet Comms

Unistrut Rail Kit (Use the 3-digit enclosure

model #, eg 57.UR.210 for Zen 57.210)

JESE Agent Monitoring System - consult factory

JESE Agent 1-port node board

Options

51.EN

51.D4.51

51.JA.xxx

57.UR.xxx

| 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 |
| 0000.CL | Custom Color — specify any RAL #, plus % gloss desired |

All Schedule B Export Code: 9405.99.0000

CAD drawings and user manuals at www.tempest.biz

Enclosure Power

Max Projector Dimensions/ Shipping Dimensions

Custom Colors

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.



Zen Configurator

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

| Name | | | | | |
|---------------------|---|--|--|--|--|
| Company | | | | | |
| Email | | | | | |
| Phone | | | | | |
| Projector type | | | | | |
| Zen Model | 57 | | | | |
| Quantity | | | | | |
| Destination Country | | | | | |
| Install Date | | | | | |
| Projector Slide | Left 🗆 Right 🗆 | | | | |
| | (Picture shows left slide) | | | | |
| Unistrut Kit | Yes, Qty No 🗆 | | | | |
| Ethernet Bridge | Yes, Qty No 🗆 | | | | |
| Spare Inlet Filter | Yes, Qty No 🗆 | | | | |
| Color | Standard, Warm White 🛛 | | | | |
| | Standard, Black 🗆 | | | | |
| | Custom, RAL # | | | | |
| | Gloss Level *% | | | | |
| | * 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 includ | de 2 x IEC 60320 C13 Aux Power): |
|--|----------------------------------|
| IEC 60320 C19 20Amp | |
| IEC 60309 30/32Amp | |
| Custom (specify) | . 🗆 |
| | |

| Custom Requests: | | | | |
|-------------------|-----|------|------|--|
| | | | | |
| | | | | |
| Factory Use Only: | | | | |
| SO Number | | | | |
| Date | | | | |
| Electrical | IEC | NEMA | | |



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



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