Whelen’s VORTEX™4 Series
All Hazard High Power Sirens
provide an economical alternative for powerful siren communication without compromising quality.

SYSTEM FEATURES
- VORTEX™4 - speaker with four active speaker cells
- Two-compartment (Type I) natural finish aluminum cabinet
- Speaker includes four high efficiency 400 watt speaker drivers
- 50’ (15.24m) cable included
- Battery powered. Minimum of 15 minutes of full power output with batteries of our recommendation
- AC temperature compensated 5 amp battery charger
- Local controls or remote controls
- Four tone-only power amplifiers
- Gear driven rotor
- Electronic siren controller
- Tone generator timer
- Local control push-buttons
- Rotor relay control
- SI TEST®
- Low battery alarm
- Battery tray
- Lightning arrestor
- Six standard public warning tones - Wail, Whoop, Attack, Hi-Lo, Alert, Airhorn

OPTIONS
- Solar option – 2 each 80 watt panels, with brackets and solar regulator
- Batteries – 2 each Whelen approved batteries. Check Whelen’s web site, www.whelen.com, for other recommended batteries
- Pole top bracket

SIREN ACTIVATION CONTROLS
Our VHF High and UHF siren activation control packages include the following:
- Radio
- Radio interface
- Tone or digital squelch
- 3-5dB gain omni-directional antenna with bracket
- 35’ (10.67m) of RG58 antenna cable
- Polyphaser
- SI TEST

OTHER FEATURES
- Low battery alarm
- Battery tray
- Lightning arrestor
- Six standard public warning tones - Wail, Whoop, Attack, Hi-Lo, Alert, Airhorn

SYSTEM OPTIONS
- Solar option – 2 each 80 watt panels, with brackets and solar regulator
- Batteries – 2 each Whelen approved batteries. Check Whelen’s web site, www.whelen.com, for other recommended batteries
- Pole top bracket

TWO-WAY CONTROLS
- VAUXCS - Two-way contact closure activation and status board
- VC2030LL - Two-way landline activation
- VC230NV - 10 Digit DTMF VHF high band / 150-170 MHz
- VC230NU - 10 Digit DTMF UHF / 450-470 MHz

OPTIONS
- VSTATUS - Cabinet window LED status indicator
- VPGINT - Paging interface to interface Whelen tones with existing paging systems
- VINTRU - Intrusion alarm (available with two-way only)

BOLD BLUE indicates the Whelen Model:

ONE-WAY CONTROLS
- VAUXIN - Auxiliary board for contact closure activation
- VD2030LL - 10 Digit DTMF landline activation
- VD230NV - 10 Digit DTMF VHF high band / 150-170 MHz
- VD230U - 10 Digit DTMF UHF / 450-470 MHz
- VORTT - Two tone sequential option

Whelen’s VORTEX™4 Series All Hazard High Power Sirens provide an economical alternative for powerful siren communication without compromising quality.
Specifications

<table>
<thead>
<tr>
<th>Component</th>
<th>Height Inches (CM)</th>
<th>Width Inches (CM)</th>
<th>Depth Inches (CM)</th>
<th>Weight Lbs. (KG)</th>
</tr>
</thead>
<tbody>
<tr>
<td>VORTEXR4 Speaker &amp; Rotor</td>
<td>49.0 (124.46)</td>
<td>28.5 (72.40)</td>
<td>56.0 (142.24)</td>
<td>234 (106.1)</td>
</tr>
<tr>
<td>Electronics Cabinet Type I (Aluminum)</td>
<td>32.5 (82.6)</td>
<td>22.5 (57.2)</td>
<td>10.5 (26.7)</td>
<td>87 (39.5)*</td>
</tr>
<tr>
<td>Pole Top Bracket (Optional)</td>
<td>30.5 (77.47) (with top plate)</td>
<td>12.0 (30.5) x 13.5 (34.5)</td>
<td>10.0 (25.4)</td>
<td>71 (32.20)</td>
</tr>
</tbody>
</table>

*Less batteries. Two batteries, Delco DC74, add 90 Lbs. (40.9kg). Check with Whelen if a freight quote is needed.

Electrical

- Battery Charger Input: 120VAC, 60Hz, 7A fuse
- Battery Charger Output: 28VDC, 5A (nominal)
- Batteries: 2 - 12V, 60AH lead calcium (user supplied)
- Standby Current: 56.0 (142.24)
- Power Amplifier Output Power: 1600 watts

Environmental

- Operating Temperature: -35C to +60C
- Storage Temperature: -65C to +125C
- Humidity, Non Condensing: 0 to 95%

Ordering Information

**BASIC SYSTEM INCLUDES ALL OF THE FOLLOWING**

- **VORTEXR4** - Speaker Assembly & Electronics Cabinet
- **VAUXIN** - Auxiliary board for contact closure activation
- **VAUXCS** - Auxiliary/Status control board for contact closure activation and status
- **VD2030LL, VD2030NV, VD2030NU** - One-way radio control
- **VC2030LL, VC2030NV, VC2030NU** - Two-way radio control/status monitoring, COMM/STAT™
- **VORTT** - Two-tone sequential
- **VSTATUS** - Cabinet window LED status indicator
- **VPGIN** - Paging interface to interface Whelen tones with existing paging systems
- **VINTRU** - Intrusion alarm
- **VSBG** - Solar power
- **VPTB** - Speaker pole top bracket
- **BSETOR** - One pair of batteries

**NOTES**

- 10 digit DTMF Controls. • Landline • VHF High Band / 150-170 MHz • UHF / 450-470 MHz
- Our VHF High and UHF siren activation control packages include tone squelch, radio, radio interface, 3-5dB gain omni-directional antenna with bracket, 35'-10.67m) of RG58 antenna cable and polyphase.
- Solar power option include 2 - 80 watt panels, mounting bracket and regulator

**Acoustic Performance**

**Wattage:** 1600 watts

**Estimated 70dB Range:** 6000 ft / 1828 m

Weather, terrain and other structures may impact the range. Each siren within the system may have a decreased or increased range depending on conditions beyond our control.

**WARNING:** This product may contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit whelen.com/regulatory

---

**VORTEXR4**

**MASS NOTIFICATION PRODUCTS**

Whelen Engineering Company, Inc. 51 Winthrop Road Chester, Connecticut 06412-0684 860-526-9504 800-637-4736 www.whelen.com iowasales@whelen.com

Whelen Engineering Company, Inc. reserves the right to upgrade its products with design improvements without notification. © 2019 Whelen Engineering Company, Inc.

Printed in the U.S.A. 11559-8/25/19

**“Our Mass Notification Products Speak for Themselves™”**

---

**ISO 9001 Registered QMS**