Nov. 16, 2018 - This holiday season, Intel® Shooting Star™ mini drones are taking the stage to delight audiences in the 2018 “Christmas Spectacular Starring the Radio City Rockettes,” presented by Chase. During the production’s new finale scene, “Christmas Lights,” 100 Intel® mini drones will create a groundbreaking magical holiday drone light show over the Great Stage of Radio City Music Hall using choreographed movements to create holiday-themed silhouettes.

Intel drone innovation accompanies the Rockettes’ performance in the new finale scene, fusing 21st century technology with an iconic holiday tradition. The “Christmas Spectacular Starring the Radio City Rockettes” is running now through Jan. 1, 2019.

Performance highlights:
• As part of the new finale scene in this year’s “Christmas Spectacular,” up to 100 Intel® mini drones, replicating Christmas lights, create dynamic animations and formations reminiscent of the holiday season. Intel drones will perform synchronized to holiday music and lighting effects reminiscent of the festive season.
• This indoor drone light show animation and sequence runs for more than 4 minutes as part of the production’s new finale scene, “Christmas Lights.”
• This large-scale indoor drone performance marks the first of its kind for theater and for Intel.
• The drones’ flight path and movement is integrated along with the productions’ ensemble, singers, aerialists, live orchestra, and digital projections to reveal the Radio City Rockettes.
• Intel® mini drones will dazzle “Christmas Spectacular” audiences for nearly 200 performances at Radio City this holiday season, making this the longest-running indoor light show that Intel has ever created.

The Intel® Shooting Star™ mini drone is Intel's first drone created specifically for indoor entertainment light shows. This drone is designed with safety and creativity in mind with an ultra-lightweight structure and virtually limitless color combinations. The fleet is easily programmed, assembled, and operated to create beautifully choreographed images indoors for an amazing entertainment experience.

Specifications and Features

Weighing in at less than 68 grams, the Intel® Shooting Star™ mini drone is constructed with a soft frame made of flexible plastic. A 180-degree cage covers the four propellers. The Intel® mini drone fits in the palm of a typical hand – all features designed to promote safety when flying near people.

<table>
<thead>
<tr>
<th>Type</th>
<th>Quadcopter with propeller guards</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size</td>
<td>177 x 156 x 34 mm</td>
</tr>
<tr>
<td>Take Off Weight</td>
<td>&lt;68 grams</td>
</tr>
<tr>
<td>Max Flight Time</td>
<td>8 Minutes</td>
</tr>
<tr>
<td>Average audience Show Time</td>
<td>&gt;4 Minutes</td>
</tr>
<tr>
<td>LED</td>
<td>Over 4 billion color combinations based on RGBW</td>
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</tbody>
</table>
Animation and Operation
The Intel Shooting Star Mini drone features built-in LED lights that can create over 4 billion color combinations based on RGBW (red, green, blue and white) LEDs.

The light show software also runs a complete fleet check prior to each flight and can select the most optimized drones based on battery life, positioning, and more. The Intel® Indoor Location System is Intel's proprietary technology that enables the pilot in command to navigate and position the drones indoors without a GPS signal. Additionally, the entire fleet of Intel® Shooting Star™ mini drones is controlled by one computer. The fleet size is dependent on the animation design and can range from tens to one hundred Intel® Shooting Star™ mini drones, and likely even more in the future.

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