The Duet family of professional-grade digital dual-technology detectors offers superior catch performance and false alarm immunity even in the harshest environments.

The Duet-AM further employs anti-mask and self-testing capabilities, and is designed to expose malfunction or attempts to defeat the detector.

Duet detectors are particularly suitable for large commercial and industrial areas.

**Benefits**

- Superior immunity to false alarms using dual technologies
- Superior fast catch performance
- Highly sensitive large coverage area up to 20m x 20m (67ft x 67ft) with anti-sabotage creep-zone
- Advanced anti-masking and self-testing to detect malfunction and attempts to defeat the detector (Duet-AM)
- Complies with European EN50131-2 and other international standards

**Features**

- Dual passive infrared and microwave technologies with optimized digital signal processing for superior detection and long term reliability
- Digital temperature compensation
- White light and UV protection
- Programmable motion event counter
- Optional swivel brackets
- Look down "creep zone"

<table>
<thead>
<tr>
<th>Model</th>
<th>Type</th>
<th>Harsh Env. Resistance</th>
<th>Catalog Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Duet</td>
<td>Dual technology</td>
<td>+++</td>
<td>0-19803-0</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>0-19805-0 (UL Listed)</td>
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<tr>
<td>Duet-AM</td>
<td>Dual technology / Anti-Masking</td>
<td>+++</td>
<td>0-1812-1 (10.5/25 GHz)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>0-1812-0 (10.5/67 GHz)</td>
</tr>
</tbody>
</table>

**Applications:**

Commercial and Industrial

**Patented Technologies**

- Advanced anti-mask and self test "Motion Simulation™" to detect malfunction and attempts to defeat the detector
- Ultimate false alarm immunity based on patented True Motion Recognition (TMR™) and Fuzzy Logic algorithms
- 3D cylindrical optics with Target Specific Imaging (TSI™) for true volumetric no "dead spots" detection
- State-of-the-art, microwave DRO patented technology utilizing Digital Signal Processing (DSP)
- Patented under US patents: 5,337,330; 5,503,943; 5,935,524; 6,211,522; and other international patents and patent applications

**Duet - Lens 15D**

- Operating Voltage: 9 to 16 VDC
- Standby Current Drain: 21mA at 12VDC
- Alarm Output: 120mA, 5-30V, 50 ma resistance
- Microwave Freq. (Due Models): Duet: 10.5/67 GHz
  - Duet-AM: 10.5/67 or 10.5/67 GHz
- RFI Protection: Duet: >20V/m (up to 1000 MHz)
  - Duet-AM: >20V/m (up to 1000 MHz)
- Adjustable Sensitivity: 1 of 2 motion events
- Operating Temperature: -10°C to 50°C (14°F to 122°F)
- Dimensions [H-W-D]: 123 x 76 x 46mm
  - (4-1/4 x 3 x 1-3/4 in)
- Mounting Height: Duet: up to 3.6m [12ft]
  - Duet-AM: 2 to 2.6m (6.5 to 8.5ft)
- Interchangeable Lenses: See lens library on page 17
- Mounting Accessories: BR-1, BR-2, BR-3 see page 18

Some models may be unavailable in certain regions. Please consult with your local Videx representative.