

# Interleaved 2 of 5

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## 1 Example



## 2 Structure

The configuration for the default implementation is:

```
<barcode>
  <intl2of5>
    <height>{length:15mm}</height>
    <module-width>{length:0.21mm}</module-width>
    <wide-factor>{number:3.0}</wide-factor>
    <quiet-zone enabled="{boolean:true}">{length:10mw}</quiet-zone>
    <checksum>{checksum-mode:auto=ignore}</checksum>
    <human-readable>
      <placement>{human-readable-placement:bottom}</placement>
      <font-name>{font-name:Helvetica}</font-name>
      <font-size>{length:8pt}</font-size>
      <display-checksum>{boolean:false}</display-checksum>
    </human-readable>
  </intl2of5>
</barcode>
```

## 3 Notes

- The height should be at least 0.15 times the barcode's length or 0.25 inches, whichever is larger.
- The module width (width of narrow element) should be at least 7.5 mils (a mil is 1/1000 inch) or 0.19mm.
- The multiple for the wide element should be between 2.0 and 3.0 **if** the narrow element is greater than 20 mils. If the narrow element is less than 20 mils, the ratio must exceed 2.2.
- Quiet zones must be at least 10 times the module width or at least 0.25 inches.
- display-checksum controls whether the calculated checksum should be included in the human-readable part.
- Since this symbology interleaves two characters (one character in the bars, the next in the spaces), the message returned by the scanner always has an even number of digits. A zero digit is added in front if necessary.

## 4 Message format

- Valid characters are 0-9.

## 5 Links

- [Russ Adams' page on Interleaved 2 of 5](#)
- [Altek Instruments' page on Interleaved 2 of 5](#)