**Configuration Limitations:**

- **Max. Number of Dots per String/VC-Feeder [Pcs]**
  - 110: 64
  - 200: 64 Std. Ver.
  - 300: 64
  - 400: 64
  - 500: 64
  - 600: 64
  - 700: 64
  - 800: 64
  - 900: 64
  - 1000: 59
  - 1100: 57
  - 1200: 54
  - 1300: 53
  - 1400: 51
  - 1500: 49
  - 1600: 48
  - 1700: 46
  - 1800: 45
  - 1900: 44
  - 2000: 43

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  - 700: 64
  - 800: 64
  - 900: 64
  - 1000: 59
  - 1100: 54
  - 1200: 52
  - 1300: 50
  - 1400: 49
  - 1500: 47
  - 1600: 46
  - 1700: 45
  - 1800: 43
  - 1900: 42
  - 2000: 41

- **Max. Number Of VC-Dot 4 per PowerPort**
  - Up to 768 VC-Dot 4's per P3 PowerPort
  - Maximum VC-Dot 4 per output: Up to 128 VC-Dot 4's per VC-Feeder

- **Examples:**
  - 3 strings of 64 VC-Dot 4's or
  - 4 strings of 48 VC-Dot 4's or
  - 6 strings of 32 VC-Dot 4's or ...

**CABLES:**
- D - DMX CABLE
- F - FIBER OPTIC CABLE
- H - HYBRID CABLE
- P - POWER CABLE
- V - VIDEO CABLE
- N - CAT6E STP CABLE

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VC-Dot 4 generic layout

**Martin P3- PowerPort 1000 IP65™**
P/N 90721080

- **DVI Video input**
- **Video signal processor**

**Configuration limitations:**
- Up to 2,080,000 pixels
- Supports input resolutions up to full HD (1920x1080)
- Maximum 500 VC-Dot 4

**Maximum 100m Ethernet Cable between any 2 devices (extendable via Gigabit Switch or conversion to fiber)**
**DMX Source**

**GENERIC SYSTEM DIAGRAM – VC-DOT 4 WITH DMX CONTROL**

**DMX limitations with Pixel-level control (1 universe)**

| VC-Dot 4:  | 170 dots |

**VC-Dot 4 generic layout**

- **S-pin XLR+PSU-BBD Adapter**
  - P/N 91616050
- **Hybrid Power+Data Cable CMX BBD-BBD**
  - P/N 91616055 (1m)
  - P/N 91616056 (2.5m)
  - P/N 91616057 (5m)
  - P/N 91616058 (10m)
  - P/N 91616059 (25m)
- **VC-Dot 4™**
  - P/N 90357001
- **VC-Feeders™**
  - with BBD Connector
  - P/N 90357041
  - Hybrid Power+Data Cable CMX BBD-BBD
  - (Not required if VC-Feeders are mounted next to each other (<20cm))
- **Adapter for 3rd party PSU**
  - P/N 91616048
  - Low Smoke Zero Halogen (LSZH) version:
  - P/N 91616012 (1m)
  - P/N 91616013 (2.5m)
  - P/N 91616014 (5m)
  - P/N 91616015 (10m)
  - P/N 91616016 (25m)
  - P/N 91616017 (100m raw cable)
- **VC-Dot 4™**
  - P/N 91616052
  - Hybrid Power+Data Cable CMX BBD-BBD
  - (Not needed if VC-Feeders are mounted next to each other (<20cm))
  - Set of 10 Caps for Connector BBD Female
  - P/N 90166051

**2m Lead-in Cable**

<table>
<thead>
<tr>
<th>Dot Spacing [mm]</th>
<th>Max. Number Of Dots per String/VC-Feeder [Pcs]</th>
</tr>
</thead>
<tbody>
<tr>
<td>110</td>
<td>64</td>
</tr>
<tr>
<td>200</td>
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</tr>
<tr>
<td>300</td>
<td>64</td>
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<tr>
<td>400</td>
<td>64</td>
</tr>
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<tr>
<td>1800</td>
<td>44</td>
</tr>
<tr>
<td>2000</td>
<td>43</td>
</tr>
</tbody>
</table>

**5m Lead-in Cable (max)**

<table>
<thead>
<tr>
<th>Dot Spacing [mm]</th>
<th>Max. Number Of Dots per String/VC-Feeder [Pcs]</th>
</tr>
</thead>
<tbody>
<tr>
<td>110</td>
<td>64</td>
</tr>
<tr>
<td>200</td>
<td>64</td>
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<tr>
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<tr>
<td>1800</td>
<td>43</td>
</tr>
<tr>
<td>2000</td>
<td>41</td>
</tr>
</tbody>
</table>

**Configuration limitations:**

- Maximum number of pixels per string: 64 Pcs.
- Standard pixel spacing (pitch): 200 mm (7.9 in.)
- Minimum pixel spacing (pitch): 110 mm (4.3 in.)
- Maximum pixel spacing (pitch): 2000 mm (78.8 in.)
- Standard lead-in cable length: 2000 mm (78.8 in.)
- Maximum lead-in cable length: 5000 mm (196.9 in.)
- One pixel = one Dot

Please contact your local sales person for customized VC-Dot strings.

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**DMX Source**

**GENERIC SYSTEM DIAGRAM – VC-DOT 4 WITH DMX CONTROL (DMX PowerPort 375)**

DMX limitations with Pixel-level control (1 universe)

VC-Dot 4:

- Max. Number Of Dots per String/VC-Feeder [Pcs] 170 dots

### VC-Dot 4 generic layout

- DMX THRU To next DMX PowerPort 375
- P

<table>
<thead>
<tr>
<th>VC-Dot 4™</th>
<th>P/N 90357041</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hybrid Power+Data Cable CMX BBD-BBD</td>
<td>Low Smoke Zero Halogen (LSZH) version:</td>
</tr>
<tr>
<td>P/N 91616005 (1m)</td>
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</tr>
<tr>
<td>P/N 91616060 (100m raw cable)</td>
<td>P/N 91616017 (100m raw cable)</td>
</tr>
<tr>
<td>P/N 91611750 (BBD Male Connector)</td>
<td>P/N 91611751 (BBD Female Connector)</td>
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</tbody>
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Please contact your local sales person for customized VC-Dot strings.

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**CABLES:**
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