

GENERIC SYSTEM DIAGRAM – VC-DOT 1 WITH P3 CONTROL (PowerPort 1500)

P3 Controllers



P3-PC™
P/N 90721030

- Up to 20,736 pixels
- On-screen grabber for video-capture
- Maximum 500 VC-Dot strings



Martin P3-050 Controller™
Video signal processor
P/N 90721090

- Up to 100,000 pixels
- Supports input resolutions up to full HD (1920x1080)
- Maximum 500 VC-Dot strings
- DVI Video input



Martin P3-150 Controller™
Video signal processor
P/N 90721015

- Up to 520,000 pixels
- Supports input resolutions up to full HD (1920x1080)
- Maximum 500 VC-Dot strings
- DVI Video input



Martin P3-300 Controller™
Video signal processor
P/N 90721060

- Up to 2,080,000 pixels
- Supports input resolutions up to full HD (1920x1080)
- Maximum 500 VC-Dot strings
- DVI or 3G-SDI Video input

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

CAT5E STP CABLES (PROVIDED BY OTHERS)

VC-Dot 1 generic layout

Martin P3- PowerPort 1500™
P/N 90721040

—To next P3 PowerPort

4-pin XLR-BBD Adaptor
P/N 91616046

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)
- P/N 91616060 (100m raw cable)
- P/N 91611750 (BBD Male Connector)
- P/N 91611751 (BBD Female Connector)

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-Feeder™
with BBD Connector
P/N 90357041

VC-Dot 1™
P/N 90357060

Standard VC-Dot 1 configuration:

- LED color: RGB
- Pitch: 100 mm (4.0 in.)
- No. of Dots: 100 pcs.
- Lead-in: 2 m (6.6 ft.)

Hybrid Power+Data Cable CMX BBD-BBD
(Not required if VC-Feeders are mounted next to each other (<20cm))

VC-Feeder™
with BBD Connector
P/N 90357041

VC-Dot 1™

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 91616052

Total length from PowerPort to last VC-Feeder should be less than **50m** (not including the VC-Dot string itself)

Install blanking caps on all unused female connectors at end of chains

Up to 4 daisy-chains per Powerport (one per output)

Maximum VC-Dot 1 per PowerPort
Up to 1200 VC-Dot 1's per P3 PowerPort

Maximum VC-Dot 1 per output
Up to 300 VC-Dot 1's per daisy-chain

Examples:
3 strings of 100 VC-Dot 4's or
4 strings of 75 VC-Dot 4's or
5 strings of 60 VC-Dot 4's or ...

| 2m Lead-in Cable | | 5m Lead-in Cable (max) | |
|------------------|---|------------------------|---|
| Dot Spacing [mm] | Max. Number Of Dots per String/ VC-Feeder [Pcs] | Dot Spacing [mm] | Max. Number Of Dots per String/ VC-Feeder [Pcs] |
| 100 | 100 Std. Ver. | 100 | 100 |
| 200 | 100 | 200 | 100 |
| 300 | 100 | 300 | 100 |
| 400 | 100 | 400 | 100 |
| 500 | 100 | 500 | 100 |
| 600 | 100 | 600 | 100 |
| 700 | 100 | 700 | 100 |
| 800 | 100 | 800 | 96 |
| 900 | 95 | 900 | 91 |
| 1000 | 90 | 1000 | 87 |

Configuration limitations:

| | |
|--------------------------------------|---------------------|
| Maximum number of pixels per string: | 100 Pcs. |
| Standard pixel spacing (pitch): | 100 mm (4.0 in.) |
| Minimum pixel spacing (pitch): | 100 mm (4.0 in.) |
| Maximum pixel spacing (pitch): | 1000 mm (39.4 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.

P3 Controllers

GENERIC SYSTEM DIAGRAM – VC-DOT 1 WITH P3 CONTROL (PowerPort 1000 IP65)



P3-PC™
P/N 90721030

- Up to 20,736 pixels
- On-screen grabber for video-capture
- Maximum 500 VC-Dot strings



Martin P3-050 Controller™
Video signal processor
P/N 90721090

- Up to 100,000 pixels
- Supports input resolutions up to full HD (1920x1080)
- Maximum 500 VC-Dot strings
- DVI Video input



Martin P3-150 Controller™
Video signal processor
P/N 90721015

- Up to 520,000 pixels
- Supports input resolutions up to full HD (1920x1080)
- Maximum 500 VC-Dot strings
- DVI Video input



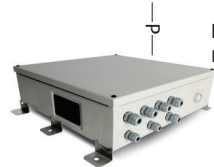
Martin P3-300 Controller™
Video signal processor
P/N 90721060

- Up to 2,080,000 pixels
- Supports input resolutions up to full HD (1920x1080)
- Maximum 500 VC-Dot strings
- DVI or 3G-SDI Video input

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

CAT5E STP CABLES (PROVIDED BY OTHERS)

VC-Dot 1 generic layout



Martin P3- PowerPort 1000 IP65™
P/N 90721080
To next P3 PowerPort 1000 IP65

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)
- P/N 91616060 (100m raw cable)
- P/N 91611750 (BBD Male Connector)
- P/N 91611751 (BBD Female Connector)

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-Feeder™
with BBD Connector
P/N 90357041

VC-Dot 1™
P/N 90357060

Standard VC-Dot 1 configuration:

- LED color: RGB
- Pitch: 100 mm (4.0 in.)
- No. of Dots: 100 pcs.
- Lead-in: 2 m (6.6 ft.)

Hybrid Power+Data Cable CMX BBD-BBD
(Not required if VC-Feeders are mounted next to each other (<20cm))

VC-Feeder™
with BBD Connector
P/N 90357041

VC-Dot 1™

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 91616052

Total length from PowerPort to last VC-Feeder should be less than **50m** (not including the VC-Dot string itself)

Install blanking caps on all unused female connectors at end of chains

Up to 4 daisy-chains per Powerport (one per output)

Maximum VC-Dot 1 per PowerPort
Up to 800 VC-Dot 1's per P3 PowerPort

Maximum VC-Dot 1 per output
Up to 200 VC-Dot 1's per daisy-chain

Examples:

- 2 strings of 100 VC-Dot 4's or
- 4 strings of 50 VC-Dot 4's or
- 8 strings of 25 VC-Dot 4's or ...

| 2m Lead-in Cable | | 5m Lead-in Cable (max) | |
|------------------|---|------------------------|---|
| Dot Spacing [mm] | Max. Number Of Dots per String/ VC-Feeder [Pcs] | Dot Spacing [mm] | Max. Number Of Dots per String/ VC-Feeder [Pcs] |
| 100 | 100 Std. Ver. | 100 | 100 |
| 200 | 100 | 200 | 100 |
| 300 | 100 | 300 | 100 |
| 400 | 100 | 400 | 100 |
| 500 | 100 | 500 | 100 |
| 600 | 100 | 600 | 100 |
| 700 | 100 | 700 | 100 |
| 800 | 100 | 800 | 96 |
| 900 | 95 | 900 | 91 |
| 1000 | 90 | 1000 | 87 |

Configuration limitations:

| | |
|--------------------------------------|---------------------|
| Maximum number of pixels per string: | 100 Pcs. |
| Standard pixel spacing (pitch): | 100 mm (4.0 in.) |
| Minimum pixel spacing (pitch): | 100 mm (4.0 in.) |
| Maximum pixel spacing (pitch): | 1000 mm (39.4 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.

DMX Source

GENERIC SYSTEM DIAGRAM – VC-DOT 1 WITH DMX CONTROL

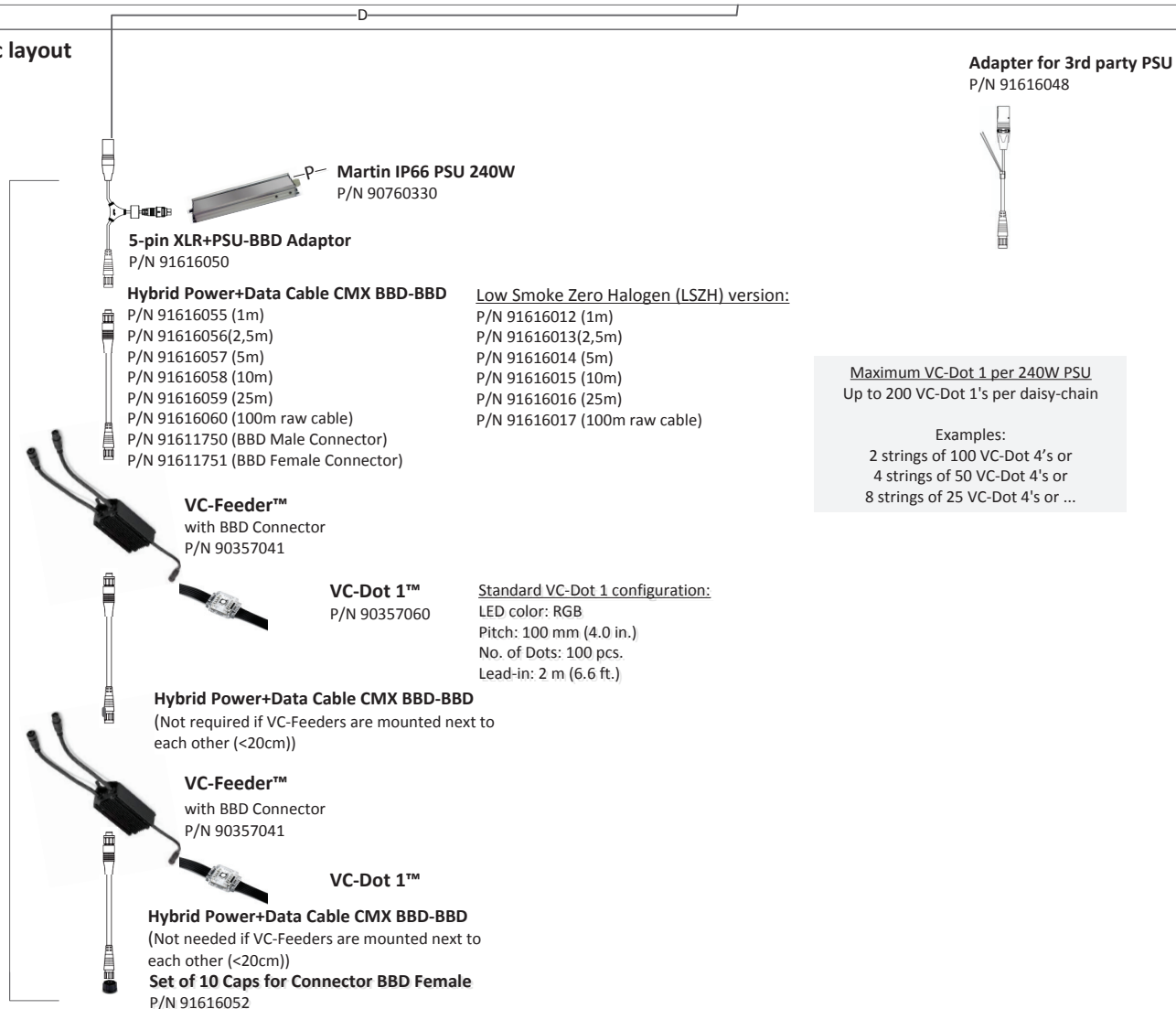


(PROVIDED BY OTHERS)

DMX limitations with Pixel-level control (1 universe)

VC-Dot 1: 170 dots

VC-Dot 1 generic layout



| 2m Lead-in Cable | | 5m Lead-in Cable (max) | |
|------------------|---|------------------------|---|
| Dot Spacing [mm] | Max. Number Of Dots per String/ VC-Feeder [Pcs] | Dot Spacing [mm] | Max. Number Of Dots per String/ VC-Feeder [Pcs] |
| 100 | 100 Std. Ver. | 100 | 100 |
| 200 | 100 | 200 | 100 |
| 300 | 100 | 300 | 100 |
| 400 | 100 | 400 | 100 |
| 500 | 100 | 500 | 100 |
| 600 | 100 | 600 | 100 |
| 700 | 100 | 700 | 100 |
| 800 | 100 | 800 | 96 |
| 900 | 95 | 900 | 91 |
| 1000 | 90 | 1000 | 87 |

Configuration limitations:

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|--------------------------------------|---------------------|
| Maximum number of pixels per string: | 100 Pcs. |
| Standard pixel spacing (pitch): | 100 mm (4.0 in.) |
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| Maximum pixel spacing (pitch): | 1000 mm (39.4 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.

CABLES:
D - DMX CABLE F - FIBER OPTIC CABLE (PROVIDED BY OTHERS) H - HYBRID CABLE (PROVIDED BY MARTIN) P - POWER CABLE V - DVI VIDEO (PROVIDED BY OTHERS) N - CAT6 STP CABLE (PROVIDED BY OTHERS)

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