

GENERIC SYSTEM DIAGRAM – EXTERIOR PIXLINE WITH P3 CONTROL (PowerPort 1500)



P3 Controllers



Internal Video input

- Up to 20,736 pixels
- On-screen grabber for video-capture
- Maximum 2000 VC-Grid/VC-Strip

DVI Video input



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

- Up to 100,000 pixels
- Supports input resolutions up to full HD (1920x1080)
- Maximum 2000 VC-Grid/VC-Strip

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 2000 VC-Grid/VC-Strip

DVI or 3G-SDI 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 2000 VC-Grid/VC-Strip

Media Server (Provided by others)

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

Ext. PixLine generic layout

Martin P3- PowerPort 1500™
P/N 90721040



N
N — 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)

Exterior PixLine

Maximum length (including fixtures and cable) of a linked chain of Exterior PixLine fixtures is **50m**

Ext. Pixline 10	Ext. Pixline 20	Ext. Pixline 40	Length	Diffuser
P/N 90356895	P/N 90356835	P/N 90356775	310/320mm*	Clear Front
P/N 90356890	P/N 90356830	P/N 90356770	1270/1280mm*	Clear Front
P/N 90356885	P/N 90356825	P/N 90356765	310/320mm*	Diffuser Front
P/N 90356880	P/N 90356820	P/N 90356760	1270/1280mm*	Diffuser Front
P/N 90356875	P/N 90356815	P/N 90356755	310/320mm*	Round Diffuser
P/N 90356870	P/N 90356810	P/N 90356750	1270/1280mm*	Round Diffuser
P/N 90356865	P/N 90356805	P/N 90356745	310/320mm*	Square Diffuser
P/N 90356860	P/N 90356800	P/N 90356740	1270/1280mm*	Square Diffuser
P/N 90356855	P/N 90356795	P/N 90356735	310/320mm*	Graze, Left
P/N 90356850	P/N 90356790	P/N 90356730	1270/1280mm*	Graze, Left
P/N 90356845	P/N 90356785	P/N 90356725	310/320mm*	Graze, Right
P/N 90356840	P/N 90356780	P/N 90356720	1270/1280mm*	Graze, Right

Hybrid Power+Data Cable CMX BBD-BBD
(Not required if Exterior Pixline are mounted next to each other (<50cm))

* Exterior PixLine 10 come in the length 320mm and 1280mm



Exterior PixLine

- Ext. PixLine, Round Diffuser
- Ext. PixLine, Square Diffuser
- Ext. PixLine, Diffuser Front
- Ext. PixLine, Clear Front

Set of 10 Caps for Connector BBD Female
P/N 91616052

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

Maximum permitted length Ext. PixLine per PowerPort 1500 output

Fixture type	Maximum total length of fixtures in chain	Maximum total length of chain (fixtures and cables)
Exterior PixLine 10	10m*	50m
Exterior PixLine 20	20m*	50m
Exterior PixLine 40	40m*	50m

* Each output of a P3 PowerPort 1500 can drive a maximum of 63 fixtures regardless of the length of the fixtures.

GENERIC SYSTEM DIAGRAM – EXTERIOR PIXLINE WITH P3 CONTROL (PowerPort 1000)



P3 Controllers



Internal Video input

- Up to 20,736 pixels
- On-screen grabber for video-capture
- Maximum 2000 VC-Grid/VC-Strip



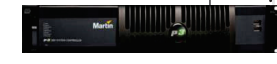
Martin P3-050 Controller™
Video signal processor
P/N 90721090

- Up to 100,000 pixels
- Supports input resolutions up to full HD (1920x1080)
- Maximum 2000 VC-Grid/VC-Strip



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

- Up to 520,000 pixels
- Supports input resolutions up to full HD (1920x1080)
- Maximum 2000 VC-Grid/VC-Strip



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 2000 VC-Grid/VC-Strip

Media Server (Provided by others)

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

Ext. PixLine generic layout



Martin P3- PowerPort 1000 IP65™
P/N 90721080

N — 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)

Exterior PixLine

Maximum length (including fixtures and cable) of a linked chain of Exterior PixLine fixtures is **50m**

Ext. Pixline 10	Ext. Pixline 20	Ext. Pixline 40	Length	Diffuser
P/N 90356895	P/N 90356835	P/N 90356775	310/320mm*	Clear Front
P/N 90356890	P/N 90356830	P/N 90356770	1270/1280mm*	Clear Front
P/N 90356885	P/N 90356825	P/N 90356765	310/320mm*	Diffuser Front
P/N 90356880	P/N 90356820	P/N 90356760	1270/1280mm*	Diffuser Front
P/N 90356875	P/N 90356815	P/N 90356755	310/320mm*	Round Diffuser
P/N 90356870	P/N 90356810	P/N 90356750	1270/1280mm*	Round Diffuser
P/N 90356865	P/N 90356805	P/N 90356745	310/320mm*	Square Diffuser
P/N 90356860	P/N 90356800	P/N 90356740	1270/1280mm*	Square Diffuser
P/N 90356855	P/N 90356795	P/N 90356735	310/320mm*	Graze, Left
P/N 90356850	P/N 90356790	P/N 90356730	1270/1280mm*	Graze, Left
P/N 90356845	P/N 90356785	P/N 90356725	310/320mm*	Graze, Right
P/N 90356840	P/N 90356780	P/N 90356720	1270/1280mm*	Graze, Right

Hybrid Power+Data Cable CMX BBD-BBD

(Not required if Exterior Pixline are mounted next to each other (<50cm))



Exterior PixLine

- Ext. PixLine, Round Diffuser
- Ext. PixLine, Square Diffuser
- Ext. PixLine, Diffuser Front
- Ext. PixLine, Clear Front



Set of 10 Caps for Connector BBD Female
P/N 91616052

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

Maximum permitted length Ext. PixLine per PowerPort 1000 output

Fixture type	Maximum total length of fixtures in chain	Maximum total length of chain (fixtures and cables)
Exterior PixLine 10	7m*	50m
Exterior PixLine 20	14m*	50m
Exterior PixLine 40	27m*	50m

* Each output of a P3 PowerPort 1000 can drive a maximum of 63 fixtures regardless of the length of the fixtures.

GENERIC SYSTEM DIAGRAM – EXTERIOR PIXLINE WITH DMX CONTROL



DMX Source



(PROVIDED BY OTHERS)

DMX limitations with Pixel-level control (1 universe)

Exterior PixLine 10 (RGB Mode):	1,7m
Exterior PixLine 20 (RGB Mode):	3,4m
Exterior Pixline 40 (RGB Mode):	6,8m

DMX limitations with segment-level control (1 universe)

Exterior PixLine 10, 20, 40 (Segment Mode*):	20,5m
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* In segment mode each fixture is divided into segments of 160mm

Ext. PixLine generic layout

Adapter for 3rd party PSU
P/N 91616048



Martin IP66 PSU 240W
P/N 90760330

5-pin XLR+PSU-BBD Adaptor
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)
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)

Exterior PixLine

Maximum length (including fixtures and cable) of a linked chain of Exterior PixLine fixtures is **50 m**

Ext. Pixline 10	Ext. Pixline 20	Ext. Pixline 40	Length	Diffuser
P/N 90356895	P/N 90356835	P/N 90356775	310/320mm*	Clear Front
P/N 90356890	P/N 90356830	P/N 90356770	1270/1280mm*	Clear Front
P/N 90356885	P/N 90356825	P/N 90356765	310/320mm*	Diffuser Front
P/N 90356880	P/N 90356820	P/N 90356760	1270/1280mm*	Diffuser Front
P/N 90356875	P/N 90356815	P/N 90356755	310/320mm*	Round Diffuser
P/N 90356870	P/N 90356810	P/N 90356750	1270/1280mm*	Round Diffuser
P/N 90356865	P/N 90356805	P/N 90356745	310/320mm*	Square Diffuser
P/N 90356860	P/N 90356800	P/N 90356740	1270/1280mm*	Square Diffuser
P/N 90356855	P/N 90356795	P/N 90356735	310/320mm*	Graze, Left
P/N 90356850	P/N 90356790	P/N 90356730	1270/1280mm*	Graze, Left
P/N 90356845	P/N 90356785	P/N 90356725	310/320mm*	Graze, Right
P/N 90356840	P/N 90356780	P/N 90356720	1270/1280mm*	Graze, Right

Hybrid Power+Data Cable CMX BBD-BBD
(Not required if Exterior Pixline are mounted next to each other (<50cm))

* Exterior PixLine 10 come in the length 320mm and 1280mm



Exterior PixLine

Ext. PixLine, Round Diffuser
Ext. PixLine, Square Diffuser
Ext. PixLine, Diffuser Front
Ext. PixLine, Clear Front



Set of 10 Caps for Connector BBD Female
P/N 91616052

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

Maximum permitted length Ext. PixLine per Martin IP66 PSU 240W

Fixture type	Maximum total length of fixtures in chain	Maximum total length of chain (fixtures and cables)
Exterior PixLine 10	7m	50m
Exterior PixLine 20	14m	50m
Exterior PixLine 40	27m	50m

CABLES:
D - DMX CABLE F - FIBER OPTIC CABLE (PROVIDED BY OTHERS) H - HYBRID CABLE (PROVIDED BY MARTIN) P - POWER CABLE V - VIDEO CABLE (PROVIDED BY OTHERS) N - CAT6E STP CABLE (PROVIDED BY OTHERS)

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