

GENERIC SYSTEM DIAGRAM – VDO SCEPTRON WITH P3 CONTROL (PowerPort 1500)



P3 Controllers



- Up to 20,736 pixels
- On-screen grabber for video-capture
- Maximum 128 Art-Net universes
- Maximum 207/2000 VDO Sceptron

Internal Video input, Art-Net, sACN

V/N

DVI Video input, DMX, Art-Net, sACN

V/N

DVI or 3G-SDI Video input, DMX, Art-Net, sACN

V/N

V/N



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

- Up to 100,000 pixels
- Supports input resolutions up to full HD (1920x1080)
- Maximum 128 Art-Net universes
- Maximum 1000/2000 VDO Sceptron



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

- Up to 520,000 pixels
- Supports input resolutions up to full HD (1920x1080)
- Maximum 128 Art-Net universes
- Maximum 2000 VDO Sceptron

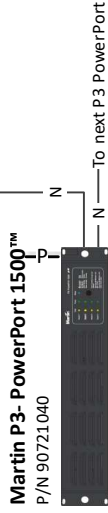


Martin P3-300 Controller™
Video signal processor
P/N 90721060

- Up to 2,080,000 pixels
- Supports input resolutions up to full HD (1920x1080)
- Maximum 64 Art-Net universes
- Maximum 2000 VDO Sceptron

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

VDO Sceptron generic layout



4-pin XLR-BBD Adaptor
P/N 91616046

Hybrid Power+Data Cable Rental BBD-BBD

- P/N 91616041 (1m)
- P/N 91616024 (2.5m)
- P/N 91616042 (5m)
- P/N 91616043 (10m)
- P/N 91616044 (25m)
- P/N 91616045 (100m bulk cable)
- P/N 91611750 (BBD Male Connector)
- P/N 91611751 (BBD Female Connector)

VDO Sceptron

- P/N 90357650 - VDO Sceptron 10™, 320 mm
- P/N 90357655 - VDO Sceptron 10™, 1000 mm
- P/N 90357660 - VDO Sceptron 20™, 320 mm
- P/N 90357665 - VDO Sceptron 20™, 1000 mm
- P/N 90357670 - VDO Sceptron 40™, 320 mm
- P/N 90357675 - VDO Sceptron 40™, 1000 mm

Hybrid Power+Data Cable Rental BBD-BBD

(Not required if VDO Sceptron are mounted next to each other (<50cm))



Flat Diffuser/Smoked Diffuser
Round Diffuser/Smoked Diffuser
Set of 10 Caps for Connector BBD Female
P/N 91616052



Lens Array /Asymmetric Lens
NoBlend Diffuser/Smoked Diffuser

Optical

- 1000mm**
- P/N 91610111 P/N 91610112
- P/N 91610113 P/N 91610114
- P/N 91610115 P/N 91610116
- P/N 91610117 P/N 91610118
- P/N 91610119 P/N 91610120
- P/N 91610121 P/N 91610122
- P/N 91611630 P/N 91611640
- P/N 91611650 P/N 91611660
- 320mm**
- P/N 91610126 P/N 91610127
- P/N 91610130 P/N 91610131
- P/N 91610134 P/N 91610135
- P/N 91610128 P/N 91610129
- P/N 91610132 P/N 91610133
- P/N 91610136 P/N 91610137
- P/N 91610140 P/N 91610141
- P/N 91610142 P/N 91610143
- P/N 91611670 P/N 91611680

NoBlend Smoked Diff user:

- VDO Sceptron 10
- VDO Sceptron 20
- VDO Sceptron 40
- Lens Array/Narrow:
- VDO Sceptron 10
- VDO Sceptron 20
- VDO Sceptron 40
- VDO Sceptron 20
- VDO Sceptron 40
- Asymmetric Lens



Square Diffuser/Smoked Diffuser
Tube Diffuser/Smoked Diffuser

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

Install blanking caps on all unused female connectors at end of chains (if outdoor)

Fixture type	Maximum total length of fixtures in chain	Maximum permitted length PowerPort 1500 output	Maximum total length of chain (fixtures and cables)
VDO Sceptron 10	10m*		50m
VDO Sceptron 20	20m*		50m
VDO Sceptron 40	40m*		50m

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

Accessories:



VDO Sceptron™/Fatron™ Sliding Brackets, set of 10: P/N 91610123

VDO Dotron™ to VDO Sceptron™/Fatron™ Coupler: P/N 91616071

Super Lightweight Half Coupler Rigging Clamp, black: P/N 91602018 (1)

Low Profile VDO Sceptron™/Fatron™ Half Coupler: P/N 91611790 (2)

VDO Sceptron™ Parallel Couplers, 30/40/50 mm, set of 10: P/N 91610125 (1)

VDO Sceptron™ Parallel Couplers, 60/70/80 mm, set of 10: P/N 91610138 (2)

VDO Sceptron™ Linear (End-to-End) Couplers, set of 10: P/N 91610124 (1)

VDO Sceptron™/Fatron™ Linear Coupler: P/N 91611843 (2)

VDO Dotron™ to VDO Sceptron™/Fatron™ Pivot Coupler: P/N 91616072

VDO Sceptron™/Fatron™ Floorstands, set of two: P/N 91611792

VDO Sceptron™/Fatron™ Floorstands, set of two: P/N 91611792

Safety Cable, SWL 60 kg, BGV C1 / DGUV 17, black: P/N 91604006

Safety Cable, SWL 60 kg, BGV C1 / DGUV 17, silver: P/N 91604007

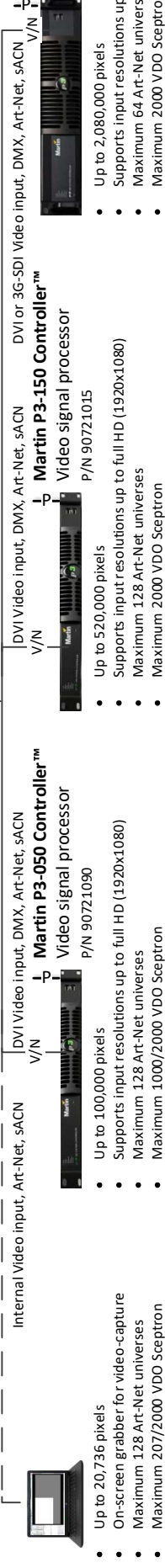
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CABLES:
D - DIMX CABLE F - FIBER OPTIC CABLE (PROVIDED BY OTHERS) H - HYBRID CABLE (PROVIDED BY MARTIN) P - POWER CABLE V - VIDEO CABLE V - VIDEO CABLE (PROVIDED BY OTHERS) N - CAT6 STP CABLE (PROVIDED BY OTHERS)

GENERIC SYSTEM DIAGRAM – VDO SCEPTRON WITH P3 CONTROL (PowerPort 1000)



P3 Controllers



- Up to 20,736 pixels
- On-screen grabber for video-capture
- Maximum 128 Art-Net universes
- Maximum 207/2000 VDO Sceptron

- Up to 100,000 pixels
- Supports input resolutions up to full HD (1920x1080)
- Maximum 128 Art-Net universes
- Maximum 1000/2000 VDO Sceptron

- Up to 520,000 pixels
- Supports input resolutions up to full HD (1920x1080)
- Maximum 128 Art-Net universes
- Maximum 2000 VDO Sceptron

- Up to 2,080,000 pixels
- Supports input resolutions up to full HD (1920x1080)
- Maximum 64 Art-Net universes
- Maximum 2000 VDO Sceptron

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

VDO Sceptron generic layout

Martin P3 - PowerPort 1000™
Rental Model
P/N 90721070



Hybrid Power+Data Cable Rental BBD-BBD

- P/N 91616041 (1m)
- P/N 91616024(2.5m)
- P/N 91616042 (5m)
- P/N 91616043 (10m)
- P/N 91616044 (25m)
- P/N 91616045 (100m bulk cable)
- P/N 91611750 (BBD Male Connector)
- P/N 91611751 (BBD Female Connector)

VDO Sceptron

- P/N 90357650 - VDO Sceptron 10™, 320 mm
- P/N 90357655 - VDO Sceptron 10™, 1000 mm
- P/N 90357660 - VDO Sceptron 20™, 320 mm
- P/N 90357665 - VDO Sceptron 20™, 1000 mm
- P/N 90357670 - VDO Sceptron 40™, 320 mm
- P/N 90357675 - VDO Sceptron 40™, 1000 mm

Hybrid Power+Data Cable Rental BBD-BBD

(Not required if VDO Sceptron are mounted next to each other (<50cm))



Flat Diffuser/Smoked Diffuser
Round Diffuser/Smoked Diffuser
Set of 10 Caps for Connector BBD Female
P/N 91616052



Lens Array /Asymmetric Lens
NoBlend Diffuser/Smoked Diffuser

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

Install blanking caps on all unused female connectors at end of chains (if outdoor)

Fixture type	Maximum total length of fixtures in chain	Maximum permitted length VDO Sceptron per PowerPort 1000 output	Maximum total length of chain (fixtures and cables)
VDO Sceptron 10	7m*		50m
VDO Sceptron 20	14m*		50m
VDO Sceptron 40	27m*		50m

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

Accessories:



VDO Sceptron™/Fatron™ Sliding Brackets, set of 10: P/N 91610123

VDO Dotron™ to VDO Sceptron™/Fatron™ Coupler: P/N 91616071

Super Lightweight Half Coupler Rigging Clamp, black: P/N 91602018 (1)

Low Profile VDO Sceptron™/Fatron™ Half Coupler: P/N 91611790 (2)

VDO Sceptron™ Parallel Couplers, 30/40/50 mm, set of 10: P/N 91610125 (1)

VDO Sceptron™ Parallel Couplers, 60/70/80 mm, set of 10: P/N 91610138 (2)

VDO Sceptron™ Linear (End-to-End) Couplers, set of 10: P/N 91610124 (1)

VDO Sceptron™/Fatron™ Linear Coupler: P/N 91611843 (2)

VDO Dotron™ to VDO Sceptron™/Fatron™ Pivot Coupler: P/N 91616072

VDO Sceptron™/Fatron™ Floorstands, set of two: P/N 91611792

VDO Sceptron™/Fatron™ Floorstands, set of two: P/N 91611792

Safety Cable, SWL 60 kg, BGV C1 / DGUV 17, black: P/N 91604006

Safety Cable, SWL 60 kg, BGV C1 / DGUV 17, silver: P/N 91604007

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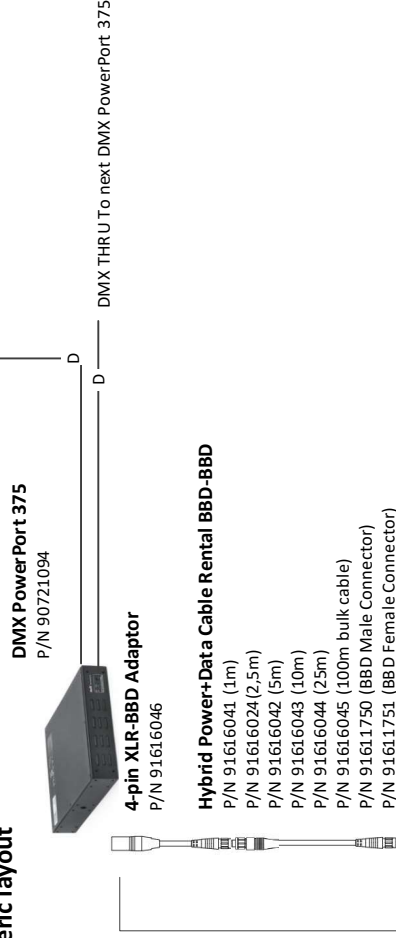
CABLES:
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GENERIC SYSTEM DIAGRAM – VDO SCEPTRON WITH DMX CONTROL (DMX PowerPort 375)



(PROVIDED BY OTHERS)

VDO Sceptron generic layout



VDO Sceptron

- P/N 90357650 - VDO Sceptron 10™, 320 mm
- P/N 90357655 - VDO Sceptron 10™, 1000 mm
- P/N 90357660 - VDO Sceptron 20™, 320 mm
- P/N 90357665 - VDO Sceptron 20™, 1000 mm
- P/N 90357670 - VDO Sceptron 40™, 320 mm
- P/N 90357675 - VDO Sceptron 40™, 1000 mm

Hybrid Power+Data Cable Rental BBD-BBD

(Not required if VDO Sceptron are mounted next to each other (<50cm))



Install blanking caps on all unused female connectors at end of chains (if outdoor)

Lens Array /Asymmetric Lens NoBlend Diffuser/Smoked Diffuser

Optical

- Flat Diffuser P/N 91610111 1000mm P/N 91610112
- Flat Smoked Diffuser P/N 91610113 P/N 91610114
- Round Diffuser P/N 91610115 P/N 91610116
- Round Smoked Diffuser P/N 91610117 P/N 91610118
- Square Diffuser P/N 91610119 P/N 91610120
- Square Smoked Diffuser P/N 91610121 P/N 91610122
- Tube Diffuser P/N 91611630 P/N 91611640
- Tube Smoked Diffuser P/N 91611650 P/N 91611660
- NoBlend Diffuser: P/N 91610126 P/N 91610127
- VDO Sceptron 20 P/N 91610130 P/N 91610131
- VDO Sceptron 40 P/N 91610134 P/N 91610135
- NoBlend Smoked Diff user: P/N 91610128 P/N 91610129
- VDO Sceptron 10 P/N 91610132 P/N 91610133
- VDO Sceptron 20 P/N 91610136 P/N 91610137
- Lens Array/Narrow: P/N 91610140 P/N 91610141
- VDO Sceptron 20 P/N 91610142 P/N 91610143
- VDO Sceptron 40 P/N 91611670 P/N 91611680
- Asymmetric Lens



Square Diffuser/Smoked Diffuser Tube Diffuser/Smoked Diffuser

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 - CAT6 STP CABLE (PROVIDED BY OTHERS)

Fixture type	DMX control channels	
	DMX channels per fixture, RGB mode	DMX channels per fixture, Basic mode
VDO Sceptron 10, 320mm	3	10
VDO Sceptron 10, 1000mm	3	10
VDO Sceptron 20, 320mm	3	10
VDO Sceptron 20, 1000mm	3	10
VDO Sceptron 40, 320mm	3	10
VDO Sceptron 40, 1000mm	3	10

DMX channels per fixture, Pixel mode	DMX channels per fixture, Segment mode	
	DMX channels per fixture, Basic mode	DMX channels per fixture, Pixel mode
103	13	22
307	22	13
55	13	22
157	22	13
31	13	22
82	22	13

Fixture type	Maximum permitted length VDO Sceptron per DMX PowerPort 375	
	Maximum total length of fixtures in chain	Maximum total length of chain (fixtures and cables)
VDO Sceptron 10	10m*	50m
VDO Sceptron 20	20m*	50m
VDO Sceptron 40	40m*	50m

Accessories:



- VDO Sceptron™/Fatron™ Sliding Brackets, set of 10: P/N 91610123
- VDO Dotron™ to VDO Sceptron™/Fatron™ Coupler: P/N 91616071
- Super Lightweight Half Coupler Rigging Clamp, black: P/N 91602018 (1)
- Low Profile VDO Sceptron™/Fatron™ Half Coupler: P/N 91611790 (2)
- VDO Sceptron™ Parallel Couplers, 30/40/50 mm, set of 10: P/N 91610125 (1)
- VDO Sceptron™ Parallel Couplers, 60/70/80 mm, set of 10: P/N 91610138 (2)
- VDO Sceptron™ Linear (End-to-End) Couplers, set of 10: P/N 91610124 (1)
- VDO Sceptron™/Fatron™ Linear Coupler: P/N 91611843 (2)
- VDO Dotron™ to VDO Sceptron™/Fatron™ Pivot Coupler: P/N 91616072
- VDO Sceptron™/Fatron™ Floorstands, set of two: P/N 91611792
- VDO Sceptron™/Fatron™ Floorstands, set of two: P/N 91611792
- Safety Cable, SWL 60 kg, BGV C1 / DGUV 17, black: P/N 91604006
- Safety Cable, SWL 60 kg, BGV C1 / DGUV 17, silver: P/N 91604007