



VC-Strip

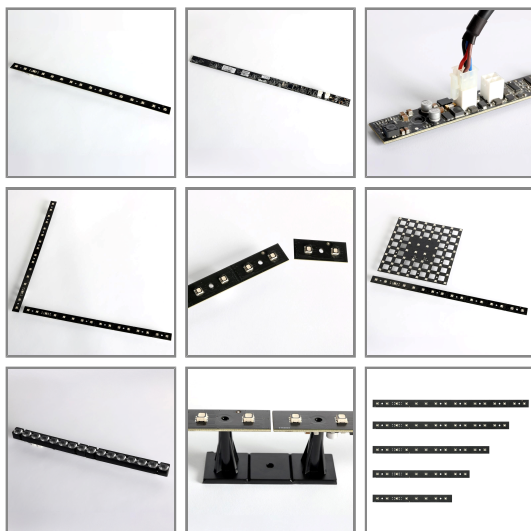
The VC-Strip family of narrow LED video strips is ideal for integration of video into stage and set designs, interiors, custom set elements and more. VC-Strips are fully pixel-level calibrated on brightness and colors for optimal uniformity and quality and are driven by Martin's award-winning P3 System Controller family for smooth playback that outperforms any DMX-based system. VC-Strips are available in various lengths and can even be cut to required length on-site.

Wide range of pixel pitches to suit every application

Easy cabling, mapping and configuration

Bright and fully calibrated for optimal consistency

GALLERY



FEATURES

- 16/8 individually controllable pixels
- 4000 nits of brightness
- High-quality, 16-bit per color image processing technology
- Pixel-level brightness and color calibration for optimal image quality
- P3/DMX controllable (automatic protocol detection)
- Intuitive mapping and addressing via P3 System Controller
- Combined power/data input (single cable for power and data input)
- Combined power/data thru (to daisy-chain up to 45 VC-Strips)
- Available in RGB, cool white, medium white and warm white
- Supported by integrated power and data processor (P3 PowerPort 1500) and simple cabling system
- Length of VC-Strip can be customized on-site (simple cutting) to fit integration needs
- Compatible with VC-Grid

TECHNICAL SPECIFICATIONS

Physical

VC-Strip 16x1 25™:
Length: 400 mm (15.8 in.) *
Width: 20 mm (0.8 in.)
Height: 18 mm (0.7 in.)
Weight: 43 g (0.1 lbs.)

VC-Strip 8x1 25™:
Length: 200 mm (7.9 in.) *
Width: 20 mm (0.8 in.)
Height: 18 mm (0.7 in.)
Weight: 26 g (0.06 lbs.)

*Including 1 mm board-to-board gap:

Control and Programming

Control options: Martin P3 System Controller™ via Martin P3 PowerPort 1500™ and/or DMX

Protocol detection: Automatic

Control modes: pixel and module

DMX channels: Pixel mode 16x1 model = 48, 8x1 model = 24; Module mode (all models) = 3

Setting and addressing: P3 System Controller or RDM-compliant controller

Control resolution: 16-bit (P3) or 8-bit (DMX) control of each color
Color and intensity calibration: Pixel-level
DMX compliance: USITT DMX512-A
RDM compliance: ANSI/ESTA E1.20
Firmware update: Via P3 System Controller

Control/User Interface

Device status: Multi-color visual indication

Device test and reset: Pushbutton to call up local test patterns and reset device

Optics

Minimum LED lifetime: 50 000 hours (to >70% luminous output) *

**Figure obtained under manufacturer's test conditions:*

Photometric Data

Pixels per module: 16/8

Luminous intensity, calibrated mode: 4000 Nit

Viewing angle: 120° x 120°

Video Processing

Brightness control

Gamma correction and control

Color temperature control

Color gamut control

Calibration processing

Synchronization

Construction

Base: Black FR4 circuit board

Protection rating: IP20

RoHS compliant

Installation

Orientation: Any

Maximum number of VC-Strip™ 16x1 25 modules per daisy-chain: 45

Maximum number of VC-Strip™ 8x1 25 modules per daisy-chain: 63

Mounting: Mounting holes in module

Connections

Power & data input: 4-pin Molex connector

Power & data thru: 4-pin Molex connector

Electrical

Nominal input voltage: 48 VDC from Martin P3 PowerPort 1500™ or external PSU

Peak power consumption (at full intensity, full white): 16x1 model 8 W; 8x1 model 4 W

Typical power consumption (with typical video content): 16x1 model 3 W; 8x1 model

1.5 W

Figures for typical video content are indicative only and will vary:

Power consumption figures include cable and assume a 50 m chain:

Thermal

Cooling: Convection

Maximum ambient temperature (Ta max.): 45° C

Minimum ambient temperature (Ta min.): -20° C

Peak heat dissipation (calculated, at full intensity, full white): 16x1 model 28 BTU/hr.;

8x1 model 14 BTU/hr.

Typical heat dissipation (calculated, with typical video content): 16x1 model 11

BTU/hr.;

8x1 model 5.5 BTU/hr.

Figures for typical video content are indicative only and will vary:

Approvals

EU safety: EN 60950

EU EMC: EN 55022, EN 55024, EN 61000-3-2, EN 61000-3-3

US safety: ANSI/UL 60950-1

Canadian safety: CSA C22.2 No. 60950-1

Accessories

VC-Grid™/Strip™ 25 Mounting Frames, set of 10: P/N 91611370

VC-Grid™/Strip™ 25 Lens Arrays, Narrow, set of 8: P/N 91611540

Input cables

Power+Data Adapter, XLR4-to-PCB, 0.25 m (0.9 ft.): P/N 91616035

Power+Data Adapter, XLR5+Power-to-XLR4, 0.25 m (0.9 ft.): P/N 91616037

Power+Data Adapter, XLR5+XLR4-to-XLR4, 0.25 m (0.9 ft.): P/N 91616038

Power+Data Adapter, XLR5+Triplex-to-XLR4, 0.25 m (0.9 ft.): P/N 91616039

VC-Strip to VC-Strip link cables

Power+Data Cable, PCB-to-PCB, 200 mm (7.9 in.): P/N 91616025

Power+Data Cable, PCB-to-PCB, 400 mm (15.8 in.): P/N 91616026

Power+Data Cable, PCB-to-PCB, 600 mm (23.7 in.): P/N 91616027

Power+Data Cable, PCB-to-PCB, 800 mm (31.5 in.): P/N 91616028

Power+Data Cable, PCB-to-PCB, 1000 mm (39.4 in.): P/N 91616029

Extension cables

Power+Data Cable, XLR4-to-XLR4, 1 m (3.3 ft.): P/N 91616030

Power+Data Cable, XLR4-to-XLR4, 2.5 m (8.2 ft.): P/N 91616031

Power+Data Cable, XLR4-to-XLR4, 5 m (16.4 ft.): P/N 91616032

Power+Data Cable, XLR4-to-XLR4, 10 m (32.8 ft.): P/N 91616033

Power+Data Cable, XLR4-to-XLR4, 25 m (82.1 ft.): P/N 91616034

Output/throughput cables

Hybrid Output/Thru Cable, PCB-to-XLR4, 0.25 m (0.9 ft.): P/N 91616036

Power+Data Adapter, XLR4-to-XLR5, 0.25 m (0.9 ft.): P/N 91616040

Cable without connectors

Power+Data Cable, Rental, 100 m (328.1 ft.): P/N 91616045

Power+Data Cable, Install CMX, 100 m (328.1 ft.): P/N 91616060

Related Items

Martin P3 PowerPort 1500™: P/N 90721040

Martin P3-050™ System Controller: P/N 90721090
Martin P3-100™ System Controller: P/N 90721010
Martin P3-150™ System Controller: P/N 90721015
Martin P3-200™ System Controller: P/N 90721020
Martin P3-300™ System Controller: P/N 90721060
Martin P3-PC™ System Controller: P/N 90721030
Martin™ IP66 PSU 240 W external power supply unit: P/N 90760330

Ordering Information

VC-Strip™ 16x1 25 RGB: P/N 90357290

VC-Strip™ 8x1 25 RGB: P/N 90357320

