# VC-Strip 30

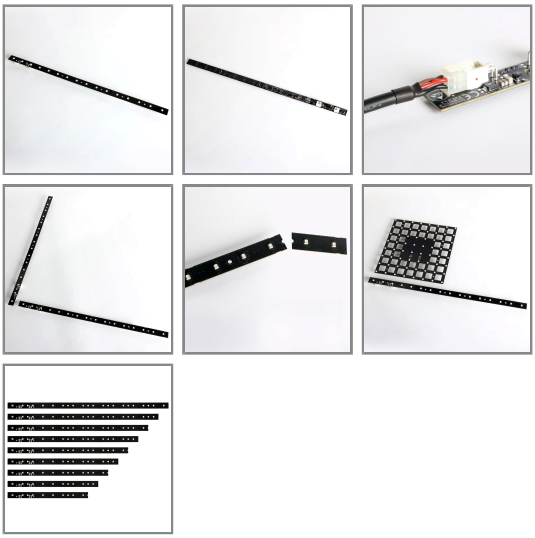
The VC-Strip family of narrow LED video strips is ideal for integration of video into stage and set designs, interiors, custom set elements and more. VC-Strips are fully pixel-level calibrated on brightness and colors for optimal uniformity and quality and are driven by Martin's award-winning P3 System 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
- 30 mm pixel pitch
- 2750 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-Strip 30s)
- 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 30

## TECHNICAL SPECIFICATIONS

Physical

VC-Strip 16x1 30™:
Length: 480 mm (18.9 in.) *
Width: 19 mm (0.8 in.)
Height: 15 mm (0.6 in.)
Weight: 51 g (0.12 lbs.)

VC-Strip 8x1 30™:
Length: 240 mm (9.5 in.) *
Width: 19 mm (0.8 in.)
Height: 15 mm (0.6 in.)
Weight: 31 g (0.07 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, 16x1 model: 48 (pixel mode) or 3 (module mode)
DMX channels, 8x1 model: 24 (pixel mode) or 3 (module mode)
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: 2750 nit
Viewing angle: 120° x 120°
*Preliminary data, figures are approximate:*

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 30 modules per daisy-chain: 45
Maximum number of VC-Strip™ 8x1 30 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

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+Tripix-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
Power+Data Adapter, 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 30 RGB: P/N 90357460
VC-Strip™ 8x1 30 RGB: P/N 90357470