

## e:pix VMC Video Micro Converter - to DVI/HDMI

The Video Micro Converter (VMC) is an ultra-compact standalone converter for transforming a digital video signal (DVI) into DMX or e:pix control signals. Specifically designed for medium to large-sized LED video matrix systems, one VMC allows up to 4096 pixels to be transformed from a video signal to an LED system. The Video Micro Converter offers excellent flexibility thanks to simple configuration with the e:cue Patchelor software. Supports DVI signals up to a resolution of 1080p (1920 x 1080 pixels).



INDOOR

### Video Micro Converter

The Video Micro Converter (VMC) is a compact device used to convert a DVI signal up to 1080p HD resolution to DMX or e:pix for control of large media screens. Especially designed to output video content on LED media installations, one VMC grabs video signals with up to 4096 pixels. For video lighting installations requiring more than 4096 pixels multiple VMCs can be daisy chained to convert the entire DVI signal to DMX or e:pix. The VMC features very flexible pixel mapping capabilities for LED installations ranging from a few hundred to one million pixels. There are two available versions: VMC with DMX and e:pix outputs, while the VMC DMX outputs DMX only. e:pix is an e:cue protocol similar to DMX for faster communication between the VMC and Traxon e:pix-capable LED media products.

### Main features

- Video to LED solution, converts DVI signals to e:pix or DMX
- Highly versatile pixel mapping capabilities
- Grabs and converts up to 4096 DVI pixels per VMC
- Supports DVI input resolutions up to 1920 x 1080 pixels (HD 1080p)
- Eight RJ45 DMX or e:pix outputs
- Up to 2048 channels per output (e:pix), 512 channels (DMX)
- Up to 8 VMCs can be daisy chained
- More than 8 VMCs can be daisy chained using a DVI splitter
- Internal active DVI signal booster
- Startup delay for hiding boot screens from video sources
- Adjustable color mapping for DMX output RGB channels
- Default image stored in case of video input malfunction
- Configuration with e:cue Patchelor from Lighting Application Suite

### Technical data

Dimensions (W x H x D)	155 x 120 x 45 mm/ 6.1 x 4.7 x 1.8 inch
Weight	0.43 kg/0.95 lbs
Power	12 V DC, 5 W (ext. PSU)
Operating/storage temp.	0 ... 40 °C/32 ... 104 °F
Operating/storage hum.	0 ... 90% non-condensing
Protection class	IP20
Housing	Aluminium
Mouting	Wall mounting VMC Garage (for 19-inch rack mouting)
Certifications	CE, ETL

### Interfaces

Setup Link	e:net (RJ45 for setup)
Input	DVI (female connector)
Output	8 x DMX512 or e:pix (RJ45) DVI (female connector)
Display	LED indicators, 7-segment display



EN55022, EN55024  
EN/UL60950

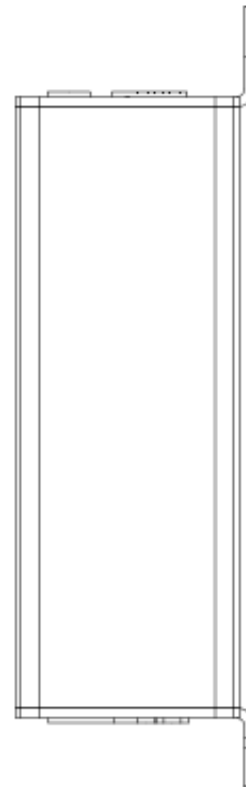
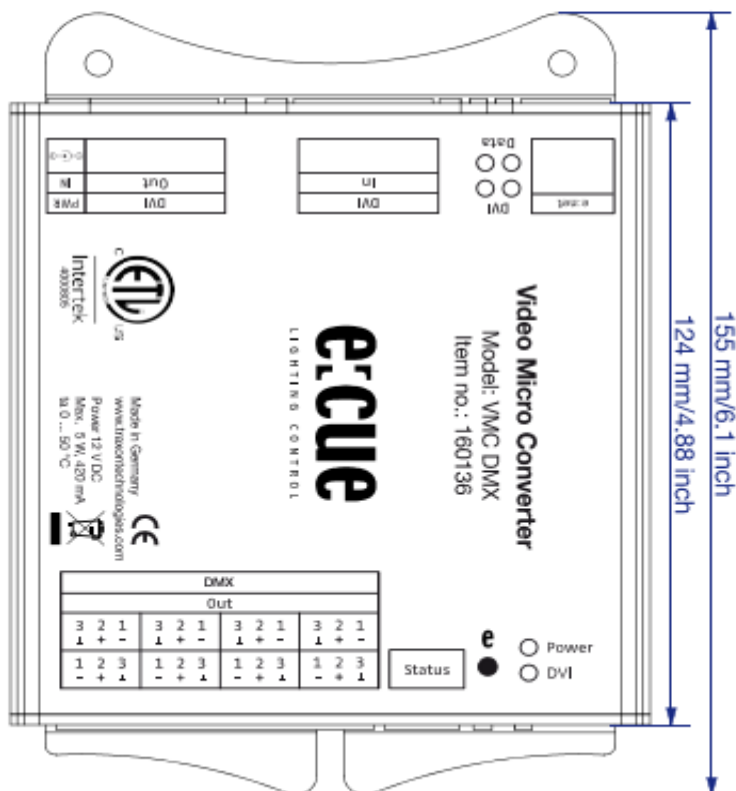
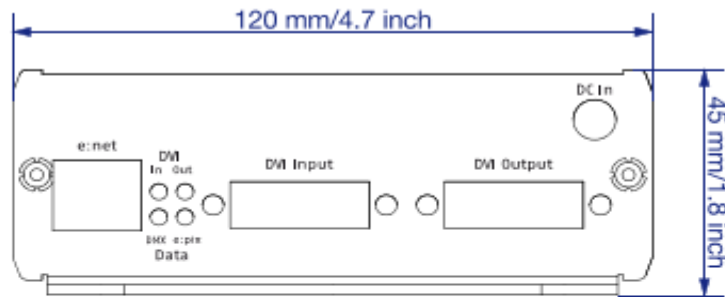


4000805  
ETL LISTED  
Conforms to ANSI/UL Std 60950-1

Intertek

## e:pix VMC Video Micro Converter - to DVI/HDMI

Dimensions (in mm)



## e:pix VMC Video Micro Converter - to DVI/HDMI

Ordering

### Controller & Converter

Ref	Item Code	Description	
VMC	R10 0006.00	e:pix VMC Video Micro Converter - to DVI/HDMI	8 output up to 24/16 foils max. 3 x P50 foils per output

### Mouting Accessories

Ref	Item Code	Description	
VelcB	Z20 0028.00	Velcro Black soft per Unit	3,5m length x 25mm width
VelcW	Z20 0027.00	Velcro White soft per Unit	3,5m length x 25mm width
VelcBSR	R10 0018.00	Velcro soft roll black 25 m	25m length x 25mm width
VelcWSR	R10 0019.00	Velcro soft roll white 25 m	25m length x 25mm width
VelcBHR	Z20 0044.00	Velcro hook roll black 25m	25m length x 25mm width
VelcWHR	Z20 0045.00	Velcro hook roll white 25m	25m length x 25mm width

### Cables & Connector

Ref	Item Code	Description	
ColnB	Z20 0046.00	Unit Interconnection connector set black	10 connector
ColnW	Z20 0047.00	Unit Interconnection connector set white	10 connector
CaStB	R10 0020.00	Starter Lead Cable Data/Power 24V Split - black 2,5 m	4 wire, 3 unit Interconnection cable black
CaStW	R10 0021.00	Starter Lead Cable Data/Power 24V Split - white 2,5 m	4 wire, 3 unit Interconnection cable white
CaExtB5	R10 0022.00	Ext. DC Cable Data/Power 24V - black 5m	2 wire open, 2 Quick Connector Terminal Block, Rj45
CaExtB10	R10 0023.00	Ext. DC Cable Data/Power 24V - black 10m	2 wire open, 2 Quick Connector Terminal Block, Rj45
CaExtB20	R10 0024.00	Ext. DC Cable Data/Power 24V - black 20m	2 wire open, 2 Quick Connector Terminal Block, Rj45
CaDataB5	R10 0025.00	Data Cable CAT5e black 5m	Rj45
CaDataB10	R10 0026.00	Data Cable CAT5e black 10m	Rj45
CaDataB20	R10 0027.00	Data Cable CAT5e black 20m	Rj45

### Power Supply

Ref	Item Code	Description	
PSU10024	R10 0017.00	110-230AC Power supply 100W/24V	Indoor open cable with aircooling; up to 2/1 foils (P50/P37)
PSU24024	R10 0011.00	110-230AC Power supply 240 W/24V	Indoor open cable with aircooling; up to 8/2 foils (P50/P37)
PSU48024	R10 0013.00	110-230AC Power supply 480 W/24V	Indoor open cable with aircooling; up to 16/4 foils (P50/P37)