

e:cue Interfaces

Lighting applications are heterogenous by nature. e:cue interfaces serve to integrate many networks, protocols and third party products into e:cue solutions. They also aid in applying special control functions for fixtures, they integrate analog or mechanical signaling into the digital world and offer bridging functions. e:cue interfaces are the links to bring together the many techniques and technologies of lighting control.



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

Delivery scope

- Video Micro Converter e:pix/DMX 160185 or
Video Micro Converter DMX 160136
- VMC Power supply with international plug-set
- RJ45 cable
- DVI cable

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)
Display	LED indicators, 7-segment display



Dimensions

All dimensions in mm/inch

