

PRODUCT SPECIFICATIONS

LumiCore

1. APPLICATIONS

Powerful network processing device

LumiCore is a powerful network processing device for DMX lighting data streams, that can convert, route, and merge the most common ethernet lighting protocols.

LumiCore is specifically designed for rack and truss mounting with a robust all metal housing, making it an ideal solution for touring, theatre, and studio AV installs. Equipped with 2x 1Gb etherCON ports and powerful processing capacity of no less than 64 process engines, each with up to 4 inputs, meaning you may process 256 input universes towards 64 output streams, LumiCore confidently meets today's and tomorrow's demands of creating newly defined universes and for network merging modes like HTP, LTP, Crossfade, Backup, Switch and Custom. LumiCore has automatic functional and operational redundancy and recovery to reliably cope with the most challenging lighting tasks. A show recording and playback mode lets you conveniently store lighting scenes and play these back when triggered to do so. An external contact closure is included as standard to allow for example to playback a lighting scene in case of emergency.

LumiCore is efficient and has a low power consumption and can be powered via PoE or via mains with robust a Neutrik powerCON True One connector. LumiCore is easy and intuitively to operate with a built-in color display and control jog for easy access to universe numbers for example. Configuration can also be done through a built-in web-based user interface. The fully documented open API facilitates full integration with any 3rd party control or management system.

With its two 1 Gigabit ethernet ports, LumiCore offers the possibility of an advanced split network interface, with individual IP-addresses configurable for input, output and system interface, making it for example possible to separate the lighting network data streams from IT related data, allowing for centralized show data storage without

interfering with critical lighting control data streams and still be able to share these resources over several studio's or to act as a bridge between guest consoles and house consoles or in large pixel mapping applications where different control sources need to be merged into new network streams.

LumiCore features group (VLAN) technology derived from GigaCore and Araneo, which allows you to arrive at the device with an ISL (Trunk) connection, connect the LumiCore to the lighting group and use the second Ethernet port for other purposes in another group (for example video control, Dante audio and much more).

Applications:

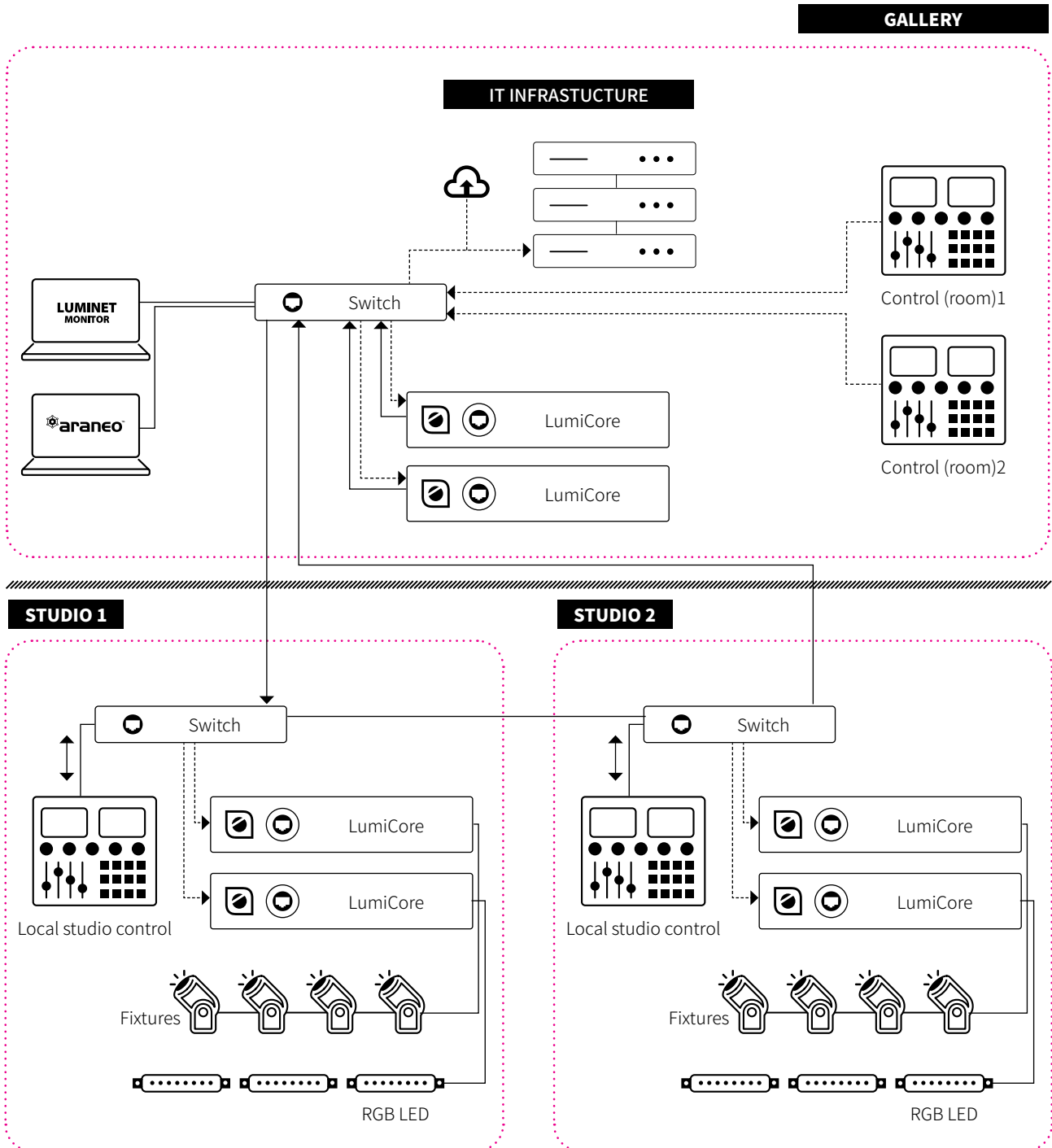
- Touring & Live entertainment
- Studio's
- Cruise ships / Yachts
- Theaters
- Arena / stadium lighting
- Archtainment lighting
- Theme parks
- Campuses
- Houses of worship
- ...

ORDERING INFORMATION

Product name:	Part numbers:
LumiCore	LU 01 00074

2. APPLICATION DIAGRAM

In a TV studio setup, LumiCore offers the solution to isolate your Lighting LAN from your IT infrastructure.



With its split interface possibilities LumiCore allows you to isolate your lighting rig LAN from the IT infrastructure. This allows you to monitor your control infrastructure from the IT department and to centralize show storage

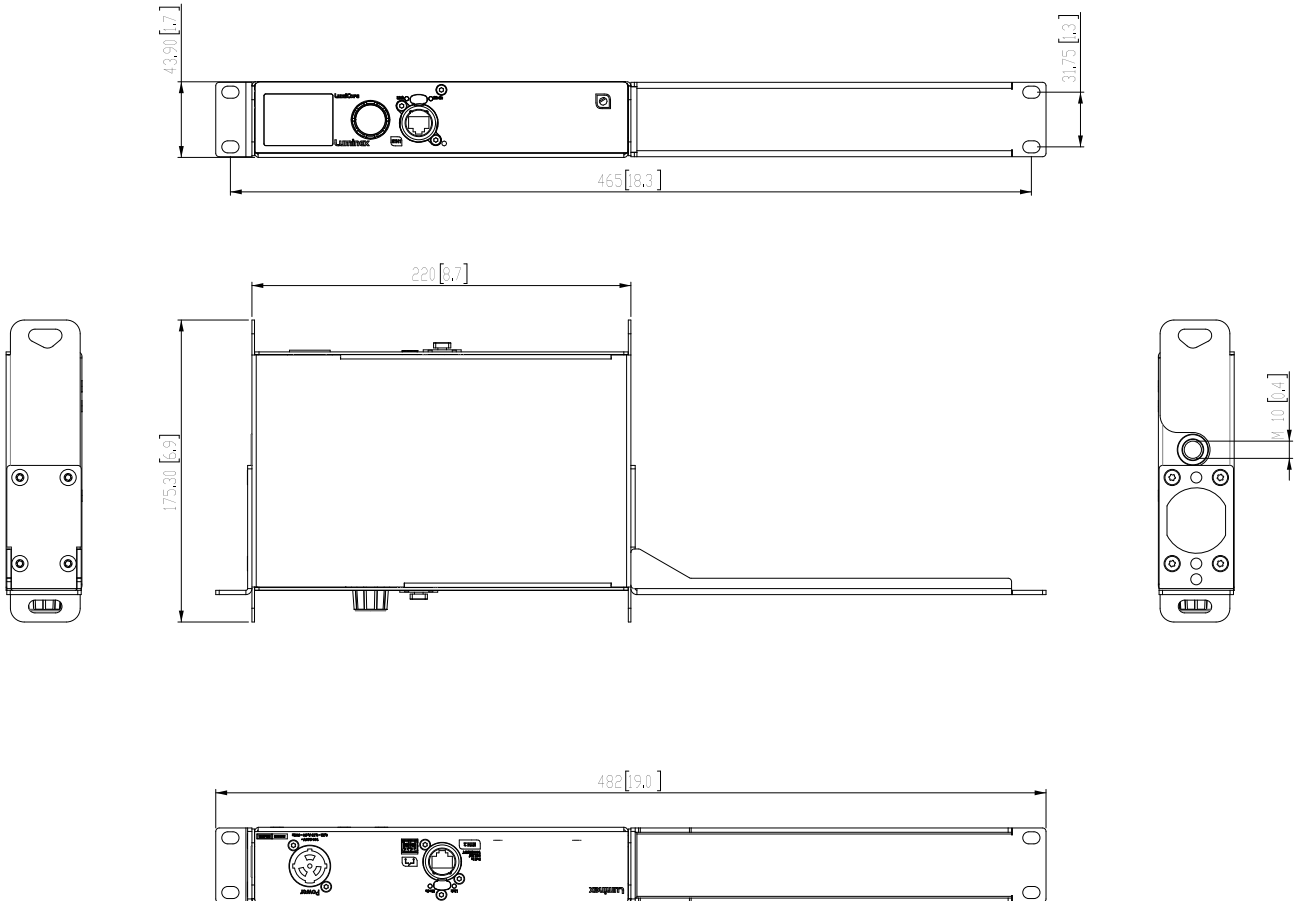
on IT side meanwhile sharing these resources over several studios. LumiCore acts as a real bridge and can be deployed in a fully redundant way.

3. TECHNICAL SPECIFICATIONS

CONNECTIVITY	
Network	2 x gigabit shielded Neutrik etherCON connector
Contact Closure	1x2-pin plugable terminal block
Power	1x Neutrik powerCON TRUE 1 PoE-802.3af (Class 0)"
ETHERNET FEATURES	
Supported protocols	Art-Net™ (1-4) sACN ANSI E1.31-2018 RTTrPL (BlackTraX) KiNET v1, v2
Port speed	10/100/1000Mbps
Port sensing	Auto-negotiation MDI / MDIX
Split management interface	Yes
Groups (VLAN) support	Yes
ADDITIONAL FEATURES	
Processing engine	64
Merging	Yes (HTP,LTP,Xfade,Backup,Switch,Custom)
Softpatch	Yes
Master/Limit	Yes
Trigger system	Yes
Reroute function	Yes
Profile manager	Yes
Snapshot	Yes
Monitoring Software	LumiNet Monitor
STATUS REPORTING	
Display & jog	Yes
Ethernet port connection	link/activity LED Group RGB LED
POWER / PoE	
Power input	100-240VAC 50-60Hz PoE-802.3af (Class 0)
Power consumption	Max 13W
Power redundancy	Yes

MANAGEMENT	
Configuration	Built in Web server Documented Web API Colour display & Jog
ENVIRONMENTAL	
Operating temperature	0 to +50°C
Storage temperature	-10 to +70°C
Humidity(non condensing)	5 to 95% RH
MECHANICAL	
Enclosure	Robust all metal housing
Dimensions (W x D x H)	220 x 175,3 x 44 mm
Weight	1,42 kg
Mounting type	Rack mount, Truss mount
Packaging	420 x 272 x 80 mm
APPROVALS	
Electromagnetic emissions and immunity	EN55032 class A EN55035 EN61000-3-2 EN61000-3-3 EN61000-4-2 EN61000-4-4 EN61000-4-5 EN61000-4-6 EN61000-4-8 EN61000-4-11 FCC Part 15 CFR 47 class A ICES-003 Issue 6
Safety approvals	IEC 62368-1 EN 62368-1 UL 62368-1 CAN/CSA-C22.2 No. 62368-1 CE
Certificates	cSGSus Mark CE CB certificate
GREEN	
	RoHS REACH

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