2720 & 5440 RGB Pixel Engine for DMX, ArtNET, sACN and Stream protocols.

Kibo|Node

KiboNode

The KiboNode is a 16 Universe DMX Playback Controller with multiple output protocols. Ultra compact, reliable with no moving parts like fans or hard disks, the KiboNode is a sophisticated solid state lighting playback controller. The controller can be DIN rail or wall mounted.

The KiboNode can be used Standalone or multiple units can be used together for larger installations and synchronized automatically over Ethernet. The units have an internal web interface giving status and configuration information for remote monitoring, and either Ethernet or USB can be used to connect to the PC running the media server software during programming.

The KiboNode supports a variety of gamma tables to ensure the LED product can display the full spectrum of color even when lighting is at minimum levels. Advanced features include color correction per pixel, color adjustment per string or tape. In addition pixel duplication, addressing and built in test patterns make the KiboNode the most advanced lighting controller on the market today.

Many hours of playback are possible using the on-board microSD card slot. Media content and shows can be downloaded on to a card or split to a number of cards for very large displays via the Media Server PC application.

Benefits

- UDP Serial and E1-31 DMX Ethernet input
- Ethernet port in
- 1 to 4 Outputs per port
- Artnet compatible
- Earth shield for solid grounding from EMI
- HTML Web Page configuration
- Gamma options per port
- PWM frequency options to reduce buzzing
- Variety of LED driver protocols
- Built in test patterns and effects
- Per LED pixel color correction
- 16 full DMX ports
- Per String or Tape color adjustment
- Pixel data grouping or multiplier
- Baud rate adjustment to increase bandwidth
- 8bit input 8-16 bit output conversion
- Remote upload and configuration
- Optional Wall Controller Interface

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Mechanical

Housing	Ultra thin enclosure
Material	Painted anodized aluminum body
Overall Dimensions	20mm (H) x 113mm (W) x 400mm (L)
Mounting	2x M6 screw mounting holes

Electrical

Input Voltage	7-24VDC
Power Output	7-24VDC
Input Connector	Pluggable Terminal Block, 6 contacts 3.5mm

Environmental

Operating Temperature	0°C to 40°C
Operating Relative Humidity	90% Non-Condensing
IP Rating	IP20 Indoor Use Only
Certification	CE
Cooling	Convection
Warranty	5 Year

Control

Control Bandwidth	16 Universe DMX@ 100%
DMX Addresses	8192 (2720 RGB Fixtures)@ 100%
Input Protocols	Art-Net, DMX, sACN and Stream
Input Connector	RJ45 socket for 10/100Base-TX Ethernet
Output Protocols	DMX512-A, ArtNet, Siti, MB, SAMHOP, WS2801 and Stream
Output Connector	Pluggable Terminal Block, 6 contacts 3.5mm
Configuration	Web Interface
	IP Address
	Output Protocol per Universe
	Gamma Correction
	PWM Frequency
	Variable Baud Rates 240kb, 230kb, 115kb

Isolation / Protection

Isolation	DMX Output - Ground Referenced
Protection	Earth shield for solid grounding from EMI

Interface / Indication

Connections	RJ45 socket for 10/100Base-TX Ethernet In/Out
Indication	Active, Play, Receive Data, Transmit Data
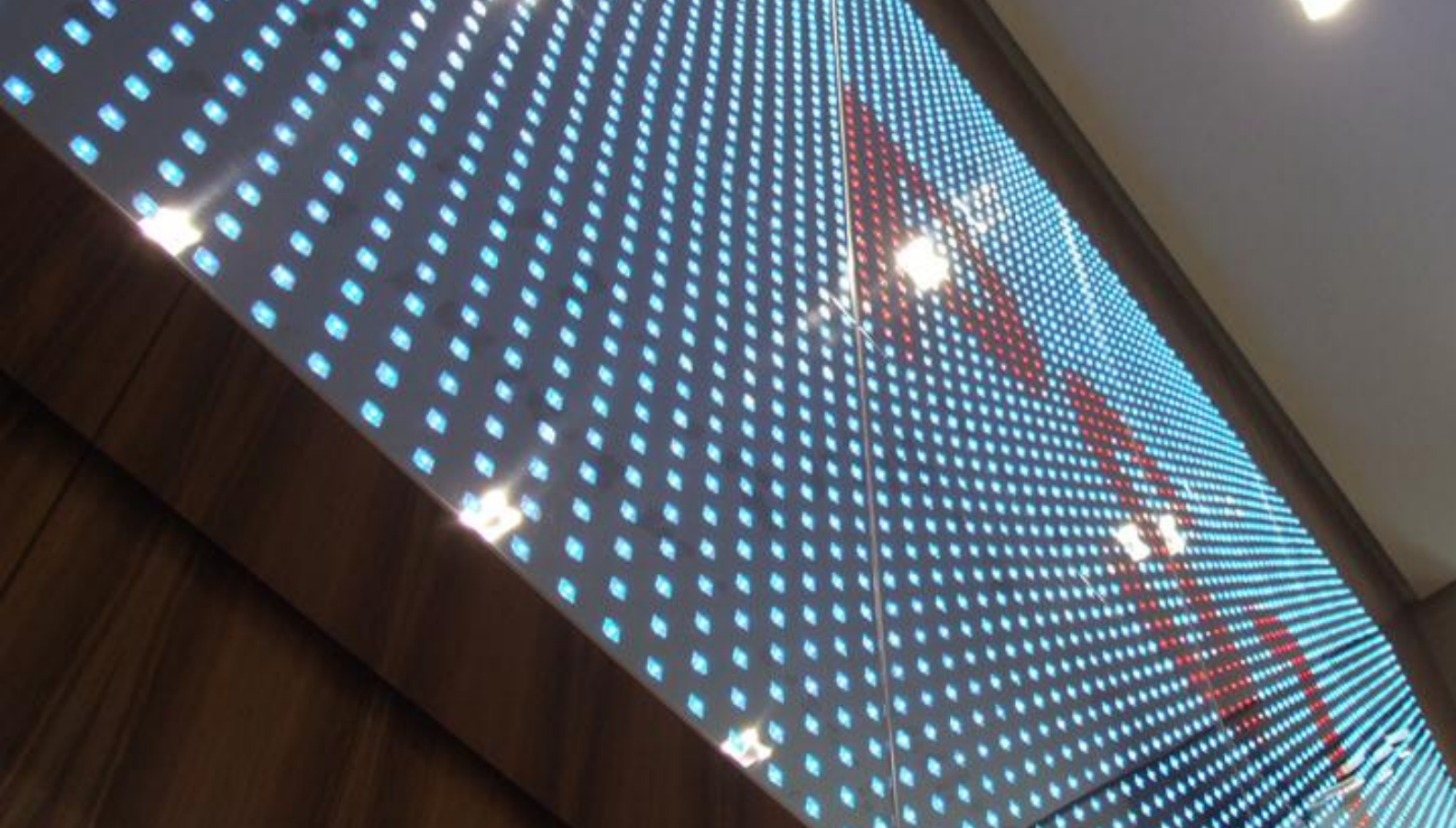
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Dimensions

400mm

113mm

ETHERNET 16 PORT NODE
000-000-200-DMX

NET OUT
NET IN
KIBOWORKS
V+V- S POWER

PORT 8 PORT 9 PORT 10 PORT 11 PORT 12 PORT 13 PORT 14 PORT 15

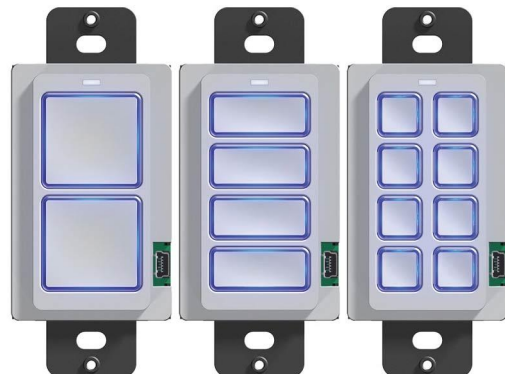PORT 0 PORT 1 PORT 2 PORT 3 PORT 4 PORT 5 PORT 6 PORT 7

20 mm
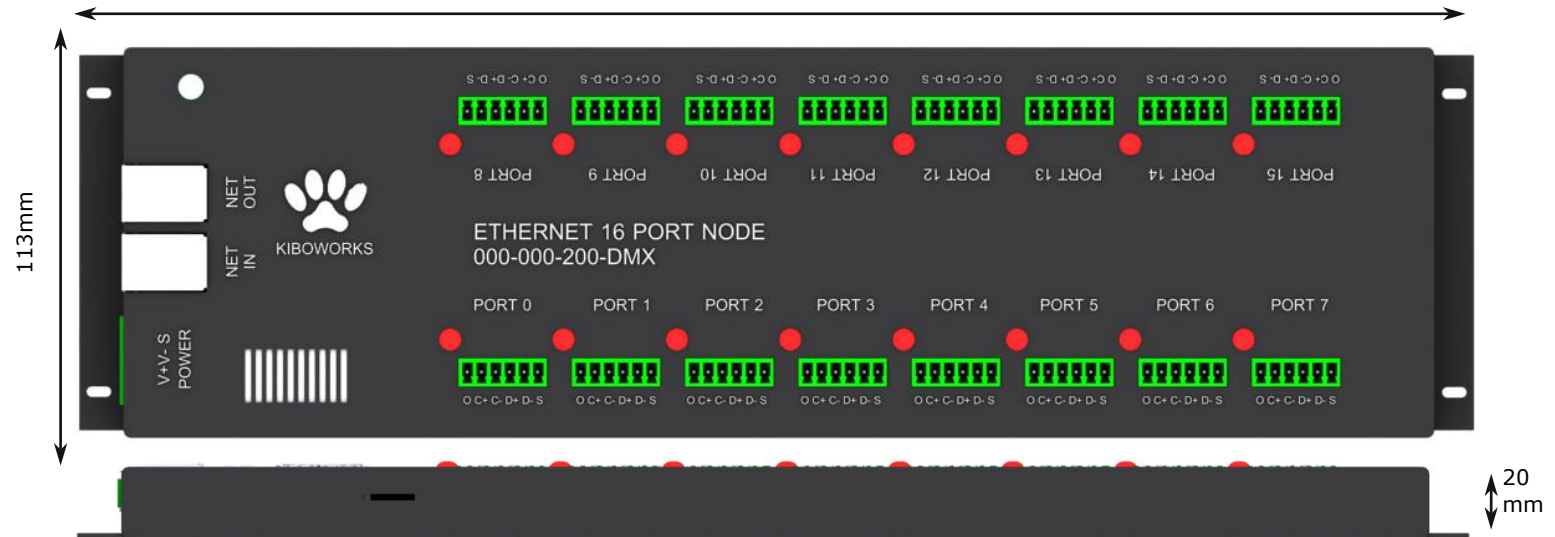
Optional Wall Controller for KiboNode

The KiboPanel is a customizable keypad designed for flush-mount installations in walls or cabinets. It provides a self-contained control system for controlling LED lighting installations.

Sized for a single gang electrical box, the KiboPanel incorporates two, four or eight fullyprogrammable buttons which can be custom labeled with text and symbols. In addition to custom labels, the backlight for each button can be configured to display almost any desired color.