

LED Display Processors

G3 NET 2K



Truly bringing together integrated video control for LED displays, G3 Net is not only a LED display controller a video scaler and switcher, but enables full remote control and automation via the industry standard Art-Net protocol.

With Art-Net, G3 Net can be controlled from lighting controllers and any device providing Art-Net control. Art-Net networks can be widely distributed over an IP network infrastructure.

RGBlink has implemented an extensive feature set with DMX512 channels to control source switching, scaling, and on board LED Sender Card features directly.

In multi device applications, lighting, media servers, video switching and LED Display can be controlled as one system in a coordinated way.

RGBlink[®]



LED Display Control

Fully integrated LED display and video processing. G3 Net is available for popular ColorLight and Linsn LED Control systems.

Seamless Switching

Switching seamlessly between inputs, regardless of resolution or signal type.

Instant TAKE

Pre-sync next source with the RGBlink unique functionality allowing delay free, instant TAKE.

Transition Effects

G3 Net includes a wide range of built in transition effects including wipes, pushes and pulls. Transition times can be instant (CUT) up to 35 seconds.

PIP

Include a PIP in any position or select a preset. Scale and crop as needed. PIP can be any available source including the active source in use for the main/background source. Swap PIP and background on demand.



Essential Inputs

G3 Net 2K includes DVI, HDMI and SDI inputs. The HDMI with rugged XLR style housing.

Built-in Monitoring

G3 Net includes a colour LCD display for output monitoring or preview monitoring.

Preview Output

A DVI output is included to allow external preview (PVW) This output also supports HDMI signals.

Familiar RGBlink Menu

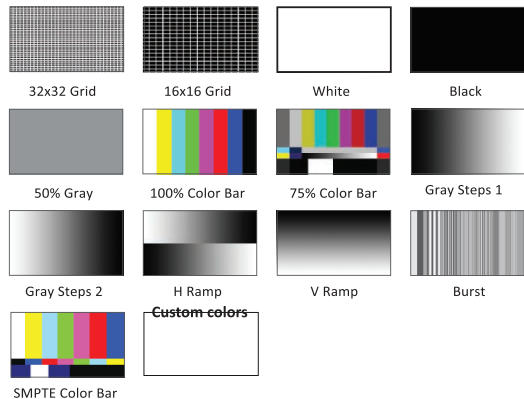
Integrated is the familiar RGBlink menu for navigation of features and settings.

Scale

Scale inputs to output resolution and pixel-by-pixel.

Test Patterns

Choose from a range of built in test patterns to display, enabling finer configuration and tuning of LED display performance.





Art-Net On Board

Control G3 Net remotely from an Art-Net enabled controller. Full range of control feature for both video and LED output control are available. Art-Net control features include:

- Input Selection
- Switching/TAKE
- Scaling & Positioning
- Output Mapping
- Brightness
- Contrast
- Saturation
- Colour Adjustment
- Test Pattern Selection
- and lots more.

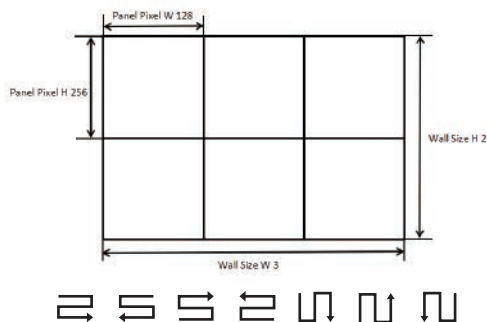


Direct LED Connection

With LED control integrated within G3 Net, there is no external link cable. Simply connect LED display with CAT5e cable directly to G3 NET. Four output ports to LED displays are provided as industrial EtherCon connectors

LED Display Configuration

Set up and dynamically configure connected LED displays



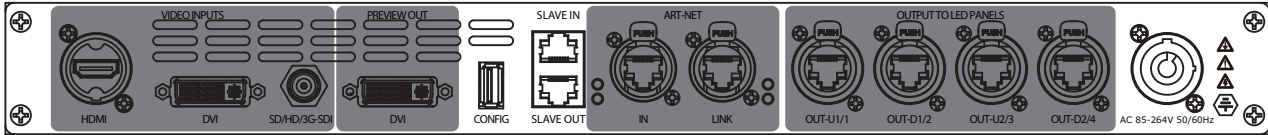
EDID Management

Settings are provided for Input EDID configurations

Map

Configure output regions / pixel spaces for each of the outputs.





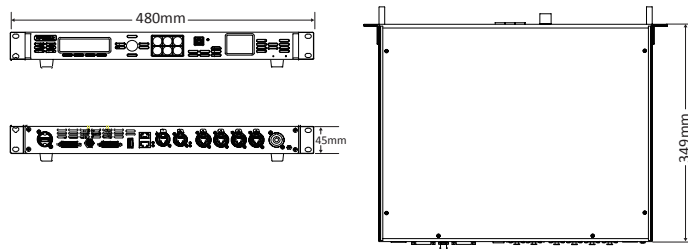
Specifications

Input	Input Video	1 × DVI
		1 × HDMI
		1 × 3G-SDI
Outputs	Preview	1 × DVI
	LAN Outputs	4 × RJ45
Communication Ports	USB	2.0
	LAN	TCP/IP、 Art-Net、 RS232
Input Resolution	SDI	720p@50/60 1080i@59.94/60 1080p@23.98/24/25/29.97/30/59/59.94/60 1080psf@23.98/24/25/29.97/30 480i 576i
	DVI&HDMI	SMPTE: 625@25/50 PAL 525@29.97/59.94 NTSC 720p@50/59.94/60 1080p@50/59.94/60 1080i@50/59.94/60 VESA: 800x600@60 1024x768@60 1280x768@60 1280x1024@60 1600x1200@60 1920x1080@60 1920x1200@60 2048x1152@60 2560x816@60
Output Resolution	SMPTE	1080p@50/59.94/60 720p@50/59.94/60 1280x720@23.98/24/25/29.97/30 1920x1080@23.98/24/25/29.97/30
	VESA	800x600@60 ~ 2560x816@60
Refresh Rates		23.98 29.97 30 50 59.94 60 75
Support Standard	SDI:	SMPTE 425M (Level A) SMPTE 424M SMPTE 292M SMPTE 259M-C DVB-ASI
	DVI:	1.0
	HDMI:	1.3
Input Voltage		AC 85~264V 50/60Hz
Max Power		35W
Temperature		-20°C~65°C
Humidity		20%~90%
Weight		3.3kg (Net Weight)
Dimensions		480mm x 377mm x 45mm (Device Dimension)

Ordering Codes

Product Code	Item
810-0221-01-0	G3 Net 2K COLORLIGHT LED Display Controller & Scaler with Art-Net <i>For LED Displays with ColorLight control systems</i>
810-0222-01-0	G3 Net 2K LINSN LED Display Controller & Scaler with Art-Net <i>For LED Displays with Linsn control systems</i>

Dimensions



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Proudly designed and manufactured in Xiamen Hi Technology Zone, China

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