LED True Color Display

D-PIDS2.5

DESCRIPTION:

DGX D-PIDS2.5 outdoor display is the ultimate solution tailored for airports, metros, railways, and more. Features LED True Color Display technology to ensure vivid and dynamic visuals for outdoor environments. With a pixel pitch of 2.5mm and a module resolution of 128*64, this display delivers remarkable clarity and detail. Its module dimension of 320(W)*160(H)*15(D) and a module flatness of ≤0.15mm guarantee seamless integration and optimal viewing experience. comes a pixel density of 160,000 pixels per square metre, every image is rendered with precision and brilliance. Designed for easy maintenance, the display offers rear servicing and is housed in a durable plastic back shell. Cabinet size can be customized to fit the specific requirements of each project, ensuring versatility and flexibility.

FEATURES:

- LED true color display technology.
- Vivid and dynamic visuals for outdoor environments.
- 160,000 pixels per square metre.
- 160° viewing angle ensure clear vision from different angles.
- IP65 weatherproof certified for harsh weather conditioning.
- Comes with the LED Controller ensures smooth functioning of LED's.
- Built-in i3/i5/i7 (optional) processor.

DISPLAY SPECIFICATION:

Module Parameter	
LED Type	Non-NS LED 1415, NS Copper LED 1415, NS Gold LED 1415
Pixel Pitch (mm)	2.5
Module Resolution (W* H)	128*64
Module Dimension (mm)	320 (W)*160(H)*15(D)
Module Flatness (mm)	≤0. 15
Pixel/m²	160,000
Servicing	Rear
Back shell	Plastic
Cabinet Size (WxH, mm)	Depends on the individual project

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Optical Parameter	
Single-dot Brightness Calibration	Available
Single-dot Color Calibration	Available
Brightness (nits)	≥4500
Colour Temperature (K)	1000~9500 Adjustable
Viewing Angle	160°
Brightness/Colour Uniformity	≥97%
Contrast Ratio	5000:1
Scan Rate	32
Electrical Parameter	
Max Power Consumption (W/m^2)	≤800
Average Power Consumption (W/m^2)	≤235
Input Power Voltage	AC110-220V± 15%, 50/60 (Hz)
Processing Parameter	
Drive Mode	Constant Current Drive (Common anode)
Frame Rate (Hz)	50-60
Refresh Rate (Hz)	3840Hz
Colour Depth (bits)	16
Operational Parameter	
Life span, typ. (Hrs)	100,000
Operating Temp (°C)	-20~60
Storage Temp (°C)	-20~60
Operating Humidity (RH)	10-90%
Storage Humidity (RH)	10-90%

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LED CONTROLLER SPECIFICATION:

Basic Parameters	
Memory	4GB (Upto 8GB available)
Loading Capacity	The loading capacity of the overall unit is 1.3 Million pixels with maximum pixel dimensions of 4096 x 2560
Supported Receiver	All series of DGX receiver
Media Format	
Program Classification	Support the program window classification, arbitrary overlay and multi-page payback.
Video Format	HEVC(H.265), H.264, H263, MVC, MPEG-4, MPEG-1/2, GOOGLE VP8, GOOGLE VP9, VC-1, MOTION JPEG
Audio format	AAC-LC, HE-AAC, HE-AAC V2, MP3, Linear PCM
Image format	Bmp, jpg, png, gif, webp, etc.
Text format	Txt, rtf, word, ppt, excel through software on PC
Text display	Support single-line text, multi-line text for static and dynamic display. Support a single 1080P video window or up to 3 720P video windows, multiple graphics and texts, rolling subtitles, rolling.
Multi-window display	Pictures, LOGO, date and time, weather forecast. Provide the function of free screen split and display different content in different areas.
Window overlapping	Arbitrary overlay of windows with transparent, opaque and other effects.
RTC	Real time clock display and management.
Terminal Management & Automatic Control	
Connection	USB cable, LAN or Wi-Fi.
Program update	U-disk plug-and-play, management terminal wireless
Methods	transmission, USB cable directly connect for release.
Manage devices	Smart terminals such as PC, Android, iOS, etc.
Wireless control	Brightness real-time adjustment, synchronous and asynchronous switching, turn on / off LED display, system parameters configuration, program playback control, wireless program transmission.

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Automatic brightness adjustment	Automatic adjustment of screen brightness according to fixed time or according to ambient brightness (sensors need to be purchased separately).
LAN scheduling	Support the programs playback mode of inter-cut and rotation, timed brightness adjustment, timed sleep, wake-up, restart, etc.
Management software	Player Master, LED Assistant.
Physical Parameters	
Dimensions Unboxed	(W x H x D) 256.4mmX127.6mmX26.2mm (no antenna)
Net weight	0.88kg
Electrical specification	
Power input	DC12V
Rated power	9W
Operating environment	
Temperature	-30°C-80°C (-22° F-176° F)
Humidity	0-95%, non-condensing

LED CONTROLLER HARDWARE:

Front panel

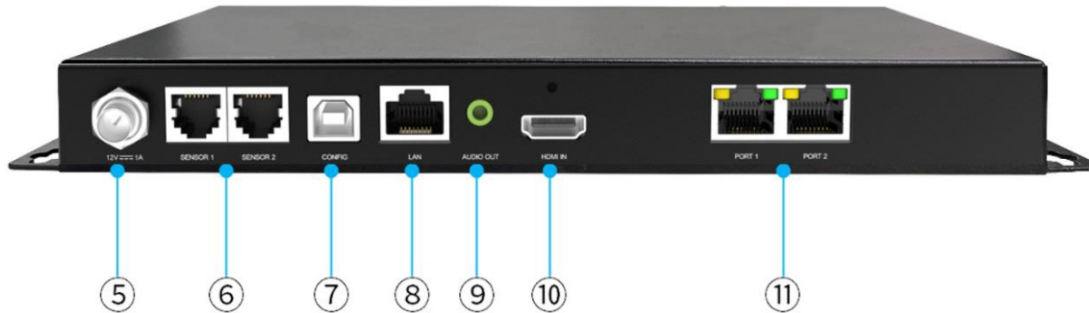| No.	Name	Function
1	ASYNC SYNC	Synchronous and asynchronous switch indicator, ASYNC (asynchronous indicator), SYNC (synchronized indicator).
2	INPUT SWITCH	Synchronous and asynchronous switch buttons.
3	USB	USB-A 3.0 interface, support external U disk or USB camera connection.
4	Wi-Fi	External Wi-Fi antenna to provide frequently used Wi-Fi hotspot, or connect to other Wi-Fi routers.

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Rear panel

No.	Name	Function
5	12V-1A	DC 12V power input.
6	SENSOR 1/2	Rj11 interface which is used to connect the sensor to automatically adjust the brightness of the display screen; monitor and display parameters such as ambient brightness, smoke, temperature and humidity and air quality (sensors need to be purchased separately).
7	CONFIG	USB-B interface for used to connecting to a PC for configuration and debugging of the LED player.
8	LAN	Fast Ethernet port for accessing to LAN.
9	AUDIO OUT	Support 1/8" (3.5mm) TRS output, output HiFi stereo.
10	HDMI IN	HDMIl.4 input interface with HDMI synchronization signal input.
11	PORT1-2	Network port of gigabit signal output which is connected to the receiver of LED display.