DS-DT30P-01HI02NO
DT30 Series 2-Port LED controller

The LED controller is designed for full-color LED displays. It is suitable for various scenarios such as meeting rooms, broadcasting studios, stadiums, airports, stations, banks, advertising locations, and home theaters.

- Provides buttons on the front panel to change signal source.
- Provides indicator lights on the front panel to show power status, signal input status, operation status, and other information.
- Supports 1 video signal input, compatible with HDMI 1.3 at 1920 × 1080@60 Hz resolution.
- Supports frame rate adaption ranging from 25 Hz to 60 Hz for image collection.
- Supports 2 network ports for output with a load capacity of up to 1.3 MP. The maximum width is 2048 pixels and maximum height is 2048 pixels for a single device and the maximum loading capacity of each network port is 0.65 MP.
- Supports HDMI audio-video composite stream input and 3.5mm audio output.
- Supports full-screen and custom scaling of video signal input and signal source switching.
- Complies with HDCP 1.4 protocol for high-bandwidth digital content protection.
- Supports custom EDID settings.
- Supports custom cable alignment without rectangular frame limit.
- Supports the operation through the client or the LED controller web page.
- Supports configuring the background.
- Supports configuring the startup logo
- Supports configuring the display dehumidification.
- Supports using the remote control to control the display to show the remote UI menu. The remote control needs to be purchased separately.
- Supports adjusting the brightness, contrast, hue, and other parameters of the output image.
- Supports changing the display mode, including general, text, advertisement, video, cinema, security, and etc.
- Supports selecting the color temperature adjustment mode such as standard, warm color, and cold color and customizing color temperature.
- Supports high refresh rate output at 3840 Hz, nanosecond response time, and smooth video picture.

- Supports viewing the loading relationship between the device and LED display.
- Supports viewing abnormal display positioning during running.
- Supports checking parameters such as device running status, device memory, CPU usage, device running temperature, and network port usage.
- Supports abnormal cabinet voltage detection and cabinet temperature detection.
- Supports connecting to the central control device and IoT device through RS-485 port.
- Supports docking device command and managing device by using the control network port and the protocols such as OTAP.
- Supports using the control network port to connect to the multi-function card to realize environment temperature detection, environment humidity detection, and the cooperation between the human body temperature monitoring and screen control.
- Provides built-in Android 14 system, 2 GB memory and 32 GB storage and supports multi-media playing.
- Supports program playback via USB flash drive.
- Decodes 2 channels of 1080P multi-media video.
- Supports simultaneous display of Android content and HDMI local source, and Picture-in-Picture (PiP) mode.

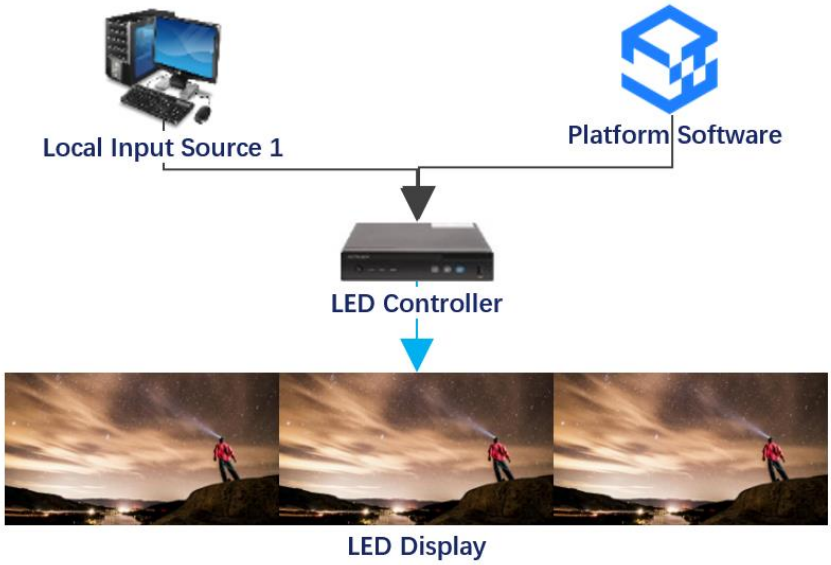
▪ Specification

Product Model	
Product Model	DS-DT30P-01HI02NO
Product Type	
Product Type	LED controller
Processing Performance	
Brightness Control	1 to 100 tunable (level-by-level white balance)
Input Frame Rate	25 Hz to 60 Hz
Grey Level	256
Display Color	16 MP
Processing Depth	8 bit
Image Scaling	Supported
Chassis	
Chassis Height	28.9 mm(1.14 inch)
Chassis Width	156 mm(6.14 inch)
LED Controller Interface	
Light Sensor Port	Supported
LED Controller Power	
Average Consumption	11 W
Power Interface Quantity	1
Power Interface	12 V, Φ2.1
Interface	
USB Interface	1 × USB 2.0
Network	
Control Network Port	1 × 10/100/1000 Mbps auto-sensing Ethernet port (RJ-45),Connects to the external network.
Video Wall	
Open Windows	Simultaneously display of 1 channel of HDMI signal source and 1 channel of Android source
Background Images	2
Background Resolution	Min.: 640 × 480, Max.: 1920 × 1200
Background Format	JPG/JPEG
General	
Working Temperature	-20℃ to 60℃(-4℉ to 140℉)
Storage Humidity	10% RH to 90% RH, no condensation
Working Humidity	10% RH to 90% RH, no condensation
Storage Temperature	-20℃ to 60℃(-4℉ to 140℉)
Packaging Size (W × H × D)	210 mm × 85 mm × 127 mm (8.27 inch × 3.35 inch × 5inch)
Net Weight	0.18 kg (0.4 lb)
Gross Weight	0.33 kg (0.73 lb)
Dimensions (W × H × D)	156 mm × 28.9 mm × 110 mm (6.14 inch × 1.14 inch × 4.33 inch)
Packing List	1 × DC adapter, 1 × terminal block, 1 × Rod-shaped Wi-Fi antenna, 1 × Regulatory compliance and safety information manual
Audio Input	
Audio Input Interfaces	1

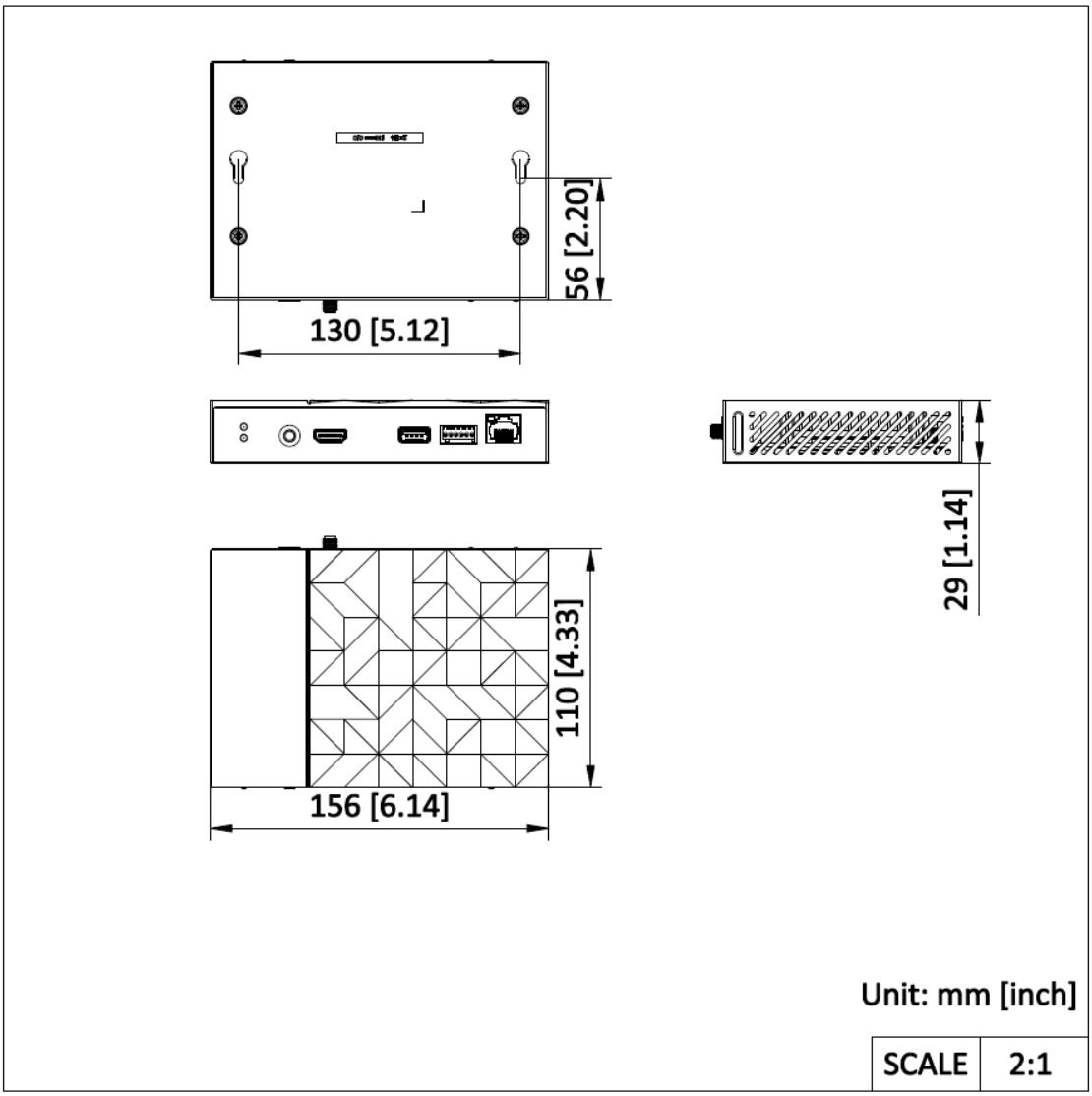
Audio Input Interface Type	1 channel of embedded HDMI input
Video Input	
Video Input Interfaces	2
Video Input Interface Type	1 HDMI 1.3 + 1 embedded Android
Max. Video Input Resolution	1080p
Video Input Resolution	HDMI 1.3 port: Max. resolution: 1920 × 1080@60 Hz Min. resolution: 320 × 180@60 Hz Supports custom resolution. Total resolution should be no more than 2.07 MP@60 Hz Max. width: 320 to 2048, alignment: multiple of 4 Max. height: 180 to 2048, alignment: multiple of 2 Supports HDCP 1.4. Interlacing signal input is not supported.
Video Input Processing Feature	Processing depth: 8 bit Sampling format: RGB: 444 YUV: 444 YUV: 422
Built-in Android Resolution	Same as output resolution
Video Output	
Max. Video Output Resolution	1300000
Loading Capacity for Video Output to LED	Single port load 650000, Width 144 - 2048, Height 64 - 2048, Width must be a multiple of 2 and height must be a multiple of 1
LED Loading Interfaces	2
LED Loading Interface Type	RJ-45
Audio Output	
Audio Output Interfaces	1
Audio Output Interface	3.5mm audio output
System	
System	Android 14
Memory Capacity	2 GB
Storage Capacity	64 GB
CPU	4-core 64-bit ARM cortex-A53 2.0 GHz
Wireless	
Wi-Fi	2.4 GHz
Antenna	1 × rod-shaped Wi-Fi antenna
Remote Control	Supported(RF remote control)
Device Parameters	
Button	Source: change signal source between HDMI and Android sources
Serial Interface	1 × RS-485 serial port for central control device (green Phoenix contact, baud rate: 115200, data bit: 8)+1 × RS-485 serial port for temperature humidity sensor (green Phoenix contact, baud rate: 115200, data bit: 8)
Broadcast Control Feature	
File Format	Video, image, music, document, text, stream media, clock, network camera, HDMI signal source

Program Playback	Supports starting and stopping program playback
Playback Attribute	Supports configuration of window size, position, and playback time. Supports program creation and schedule configuration.
Video Playback Performance	Supports 1 channel of 4K@30 or 2 channels of 1080p@60 multi-media video
Front Panel	
Indicator	Active: The device is running. Source: The signal source is connected.

▪ Typical Application



▪ Dimension



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