

UNIQUE SERVICES PVT. LTD.



UDDS

**SALES
MANUFACTURER
CONSULTANCY
SYSTEM INTEGRATION
SERVICE & MAINTENANCE**

TECHNOLOGY IMPROVISED

**LED DISPLAY
VIDEO PROCESSOR CONTROLLER**

UDDS



ABOUT US

Unique Services Pvt. Ltd. is a specialist manufacturer and system integration firm focusing on hi-tech turnkey key solutions in the field of LED display technology, surveillance, automation and telecommunication. USPL is an equipment manufacturers' representative firm providing industry leading technical solutions to various government agencies like Airports Authority of India, Air India, IMD, Indian Airlines, IIT and many more. Our expertise includes designing, engineering, marketing, procurement and maintenance with an Objective to provide our customers with the most innovative and high return on investment products.



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**LED DISPLAY
SOLUTIONS
&
APPLICATIONS**

UDDS

- **LED SCREENS FOR THEATERS & CONCERTS**

Well, what more do you need except for less stress on the eyes & the same level of enjoyment. LED lights are semi-conductor devices and can be dimmed using controllers which is far better than the other types of lighting devices that provide only step-level dimming.



- **LED SCREENS FOR EDUCATIONAL INSTITUTION**

What's better than using technology, help the future of the nation? LED Screens in campus can form an important part of education, particularly for arts and media related courses, where the screen can be integrated into course curriculums.



• LED SCREENS FOR PUBLIC SHOWS

Double the excitement of Concerts & live Shows, with high tech, LED displays. You get the lighting that you want, along with no over heating of the environment even when there is a huge crowd gathered.



• LED SCREENS FOR INDUSTRIAL SOLUTIONS

Small signs convey bigger messages. At times, we need to be reminded of things even when we are aware of them. Awareness is an aspect that isn't usually given too much attention. By making the awareness boards attractive, clear and innovative makes it eye catching this reaching more and more people! Led screens for awareness are a must!

 A small LED screen displaying a data table with columns for Shift, Cell, Bench, and various numerical values. The text is in a monospace font and is illuminated in red and white.

Shift	Cell	Actual	Actual	...
1	Bench A	100000	100000	...
	Bench B	100000	100000	...
	Bench C	100000	100000	...
2	Bench A	100000	100000	...
	Bench B	100000	100000	...
	Bench C	100000	100000	...

- LED SCREENS FOR HOSPITALS

Better aware than bored. People need to wait for hours in order to meet the right consultant for them. Hospitals have a sad and boring vibe as it is but LEDs make it a little less sad by giving people information on various areas related to their own well-being.



- LED SCREENS FOR SMART CITIES

LED unipole displays, which are outdoor LED walls that are high brightness and robust displays, can be used as an advertising canvas by smart cities. A centralized network of such displays can be established, thereby enabling advertisers to reach the masses.



- LED SCREENS FOR PUBLIC DISPLAY

Advertisement Couldn't get any better. Place the Screen at a Place Where Public has the maximum access to it and your work is done. HD LED Display with high brightness is one of the most crucial Features while we talk of the outdoor Advertising screen because it Should be visible at all times day and night. Yet, during night time, The brightness must be twitched as it could be unsafe for drivers. Unique services offers a wide range of high-tech LED display screens to which you which you can remotely manage and control at your Fingertips. It is a worthy investment to buy outdoor LED screens Offering the most suitable luminosity index.



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- LED SCREENS FOR BILLBOARDS & HIGHWAYS

Popularity makes business grow. If not marketable, your product may as well not exist because then it won't sell. Billboards on highways make a larger audience aware of your product and therefore increases the visibility of your product.



- LED SCREENS FOR BUS STANDS & PARKING LOTS

Don't underestimate the word of mouth from the common. People talk, that is one thing every person does and if your product is displayed in a manner that is worth remembering, they definitely talk about it to other people and that is how you increase business.



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• LED SCREENS FOR MALLS & SHOPPING CENTERS:

Every shopper can see the place; an LED screen with high definition, detailed, colorful features will advertise vividly, which greatly attracts the shopper's desire to buy, guide shoppers to enter the store consumption. Energy Efficient Display screens is a plus point. LED screens are primarily used to cut down unwanted expenses from the marketing strategy and generate more profits. Our LED Screens consume less power as compared to traditional screens, which makes them a perfect pick to run ads throughout the day.



• LED SCREENS FOR BARS & PUBS

Take advantage of the LED display's ability to play in high definition, plus the boldness and innovation of the content, so that passersby or those about to come in can feel the high of the bar in advance, thus attracting more customers to come in and spend money.



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LED DISPLAY CONTROLLER WITH VIDEO PROCESSOR

UDDS

#U1

Features:

1. Control range: 1280W*1024H, widest 3840, highest 1920.
2. Seamless switching of any channel;
3. 5 channels digital and analog video input, USB playing video and picture files directly;
4. Audio input and output;
5. Integrated the function of sending card and two output Gigabit Network ports.
6. Key lock;
7. Preset saving and calling of scenarios, support saving 7 user templates.

FUNCTION S	PARAMETERS
USB (Type A) media playback*1	U In-disk video, picture file playback, support for videos up to 720P Image file formats: jpg, jpeg, png, and bmp Video file format: mp4, avi, mpg, mkv, mov, vob, and rmvb Video encoding: MPEG4 (MP4), MPEG_SD/HD, H.264 (AVI, MKV), FLV
DVI video input*1	Interface form: DVI-I socket Signal standard: DVI1.0, HDMI1.3 backward compatible Resolution: VESA standard, PC to 1920×1080, HD to 1080p
HDMI video input*1	Interface form: HDMI-A Signal standard: HDMI1.3 backward compatible Resolution: VESA standard, ≤ 1920 × 1080p @ 60Hz
VGA video input*1	Interface form: DB15 socket Signal standard: R, G, B, Hsync, Vsync: 0 to 1Vpp ± 3dB (0.7V Video+0.3v Sync) 75 ohm black level: 300mV Sync-tip: 0V Resolution: VESA standard, ≤ 1920 × 1080p @ 60Hz
Composite video input (video)*1	Interface form: BNC Signal standard: PAL/NTSC 1Vpp±3db (0.7V Video+0.3v Sync) 75 ohm Resolution: 480i, 576i
AUDIO *2	Audio input and output
Network port output*2	Gigabit Ethernet port output interface, connected to the receiving card Each network port carries 65W pixels, and the 2 network ports carry a total of 130W pixels. The widest support is 3840 pixels and supports up to 1920 pixels
Square USB port (TypeB)*1	Connect to the PC, use the software to send the card, receive card parameter debugging, program upgrade, and so on.
Power interface*1	110-240VAC, 50/60Hz

#U10

Features:

1. Control Range: 1024W*512H, widest 8192, highest 1024.
2. 4GB memory, support expanding memory by U-disk.
3. Support HD video hardware decoding, 60Hz frame rate output.
4. Support widest 8192 pixel, Highest 1024.
5. No need set IP address, it could be identified by controller ID automatically.
6. Unified management of more LED display through Internet or LAN.
7. Come with Wi-Fi, Mobile APP management.
8. With a relay to control the power supply remotely.
9. Equipped 3.5mm standard audio interface output.
10. Support 4G connect to Internet (Optional).

Functions	Parameters
Scan Mode	Static to 1/64 scan mode
Control Range	1024*512, widest 8192, highest 1024
Gray Scale	256-65536
Basic functions	Video, Pictures, Gif, Text, office, Clocks, Timing etc. Remote, Temperature, Humidity, Brightness etc.
Video format	Support 1080P HD video hardware decoding, direct transmission, without transcoding waiting. 60Hz frame frequency output ; AVI, WMV, MP4, 3GP, ASF, MPG, FLV, F4V, MKV, MOV, DAT, VOB, TRP, TS, WEBM, etc.
Image Format	Support BMP, GIF, JPG, PNG, PBM, PGM, PPM, XPM, XBM etc.
Text	Text editing, Image, Word, Txt, Rtf, Html etc.
Document	DOC, DOCX, XLSX, XLS, PPT, PPTX etc. Office2007Document format.
Time	Classic Analog clock, digital clock and of clock with image background.
Audio output	Double track stereo audio output.
Memory	4GB Flash memory; Indefinite expanding of U-disk memory.
Communication	Ethernet LAN port, 4G network (optional), Wi-Fi, USB.
Working Temperature	-20°C-80°C
Port	INPUTS: 5V DC*1, 100 Mbps RJ45*1, USB 2.0*1, test button*1, sensor port*1, GPS port*1. OUT:1Gbps RJ45*1, AUDIO*1
Power	8W

#U3

Features:

1. Control Range: 1280W*512H ,Widest 4960 ,highest 2048
2. 8GB memory, support expending memory by U-disk.
3. Support HD video decoding, 60Hz frame rate output.
4. Support widest 4096 pixel, highest 2048 pixel.
5. No need set IP address, it could be identified by controller ID automatically.
6. Unified management of more LED display through Internet or LAN.
7. Equipped with Wi-Fi, Mobile APP management.
8. Equipped 3.5mm standard audio interface output.
9. Support 3G/4G connection (Optional).

FUNCTIONS	PARAMETERS
Scan Mode	Static to 1/64 scan mode
Control Range	Resolution: 1280*512, Widest 4960 pixel, highest 2048 pixel
Gray Scale	256-65536 (adjustable)
Play Functions	Video, Pictures, Gif, Text, Office, Clocks, Timing, etc. Support connected IR Remote, Temperature, Humidity, Brightness, PM Value sensor, etc.
Video Format	HD video hard decoding, 60Hz frame rate output. AVI, WMV, RMVB, MP4, 3GP, ASF, MPG, FLV, F4V, MKV, MOV, DAT, VOB, TRP, TS, WEBM, etc.
Image Format	Support BMP, GIF, JPG, JPEG, PNG, PBM, PGM, PPM, XPM, XBM, etc.
Text	Text editing, Image, Word, Txt, Rtf, Html, etc.
Document	DOC, DOCX, XLSX, XLS, PPT, PPTX, etc. Microsoft Office 2007 Document format
Time	Classic Analog Clock, digital clock and various of clock with image background
Audio output	Double track stereo audio output
Memory	8GB Flash Memory, support expanding memory by U-disk
Communication	100/1000 Mbps RJ45 Ethernet, Wi-Fi, 3G/4G, LAN, USB
Working Temp	-40°C-80°C
Port	IN : 12V Power Adapter*1, 1Gbps RJ45*1, USB 2.0*1, Test Button*1, GPS, 3G/4G(Optional), Sensor port*1, OUT : 1Gbps RJ45*1, AUDIO*1

#U30

Features:

1. Control Range: 1280W*512H ,Widest 16384 , highest 2048
2. Support expanding memory by U-disk.
3. Support HD video decoding, 60Hz frame rate output.
4. No need set IP address, it could be identified by controller ID automatically.
5. Come with Wi-Fi, Mobile APP management.

Function	Parameters
Control Range	Resolution: 655,360 million pixels (1280*512), Widest 16384 pixels, highest 2048 pixels
Gray Scale	256-65536 (adjustable)
Basic Functions	Video, Pictures, Gif, Text, Office, Clocks, Timing, etc. Remote, Temperature, Humidity, Brightness, PM Value, etc. Support Synchronized picture auto-zooming, Playing Live Screen Without Video Processor
Video Format	HD video hard decoding, 60Hz frame rate output. AVI, WMV, RMVB, MP4, 3GP, ASF, MPG, FLV, F4V, MKV, MOV, DAT, VOB, TRP, TS, WEBM, etc.
Image Format	Support BMP, GIF, JPG, JPEG, PNG, PBM, PGM, PPM, XPM, XBM, etc.
Text	Text editing, Image, Word, Txt, Rtf, Html, etc.
Document	DOC, DOCX, XLSX, XLS, PPT, PPTX, etc. Office2007 Document format
Time	Classic Analog Clock, digital clock and various of clock with image background
Audio output	Double track stereo audio output
Memory	8GB Flash Memory, Expanding memory by U-disk
Communication	100M/1000M RJ45 Ethernet, Wi-Fi, 3G/4G, LAN, USB
Working Temp	-40°C-80°C
Port	IN : 12V Power Adapter*1, 1Gbps RJ45*1, USB 2.0*1, Test Button*1, GPS, 3G/4G(Optional), Sensor port*1, HDMI*1 OUT : 1Gbps RJ45*2, AUDIO*1
Power	18W (12V DC power supply)

#U35

FEATURES

1. Support Asynchronous & Synchronous.
2. Control Range: 1280 W*1024H
3. Support expanding memory by U-disk.
4. HDMI high-definition video input & output.
5. Support HD video decoding, 60Hz frame rate output.
6. Support HDMI HD video zoom, no need video processor.
7. Support widest 3840 pixel, highest 2048 pixel.
8. No need set IP address, it could be identified by controller ID automatically.
9. Unified management of more LED display through Internet or LAN.
10. Equipped with Wi-Fi, Mobile APP management.
11. Equipped 3.5mm standard audio interface output.

FUNCTIONS	PARAMETERS
Scan Mode	Static to 1/64 scan mode
Control Range	Resolution: 1280*1024, Widest 3840 pixel, highest 2048 pixel
Gray Scale	256-65536 (adjustable)
Basic	Video, Pictures, Gif, Text, Office, Clocks, Timing, etc.
Functions	Remote, Temperature, Humidity, Brightness, PM Value, etc. Support Synchronized picture auto-zooming, Playing Live Screen Without Video Processor
Video Format	HD video hard decoding, 60Hz frame rate output. AVI, WMV, RMVB, MP4, 3GP, ASF, MPG, FLV, F4V, MKV, MOV, DAT, VOB, TRP, TS, WEBM, etc.
Image Format	Support BMP, GIF, JPG, JPEG, PNG, PBM, PGM, PPM, XPM, XBM, etc.
Text	Text editing, Image, Word, Txt, Rtf, Html, etc.
Document	DOC, DOCX, XLSX, XLS, PPT, PPTX, etc. Office2007 Document format
Time	Classic Analog Clock, digital clock and various of clock with image background
Audio output	Double track stereo audio output
Memory	8GB Flash Memory, Expanding memory by U-disk
Communication	100M/1000M RJ45 Ethernet, Wi-Fi, 3G/4G, LAN, USB
Working Temp	-40°C-80°C
Port	IN : 12V Power Adapter*1, 1Gbps RJ45*1, USB 2.0*1, Test Button*1, GPS, 3G/4G(Optional), Sensor port*1, HDMI*1 OUT : 1Gbps RJ45*1. AUDIO*1. HDMI*1

#U4

Feature

1. The inputs of the U4 include CVBS×2, VGA×3, DVI×1, HDMI×1 , DP×1.
2. Provide seamless high-speed switch and fade-in/ fade-out effect so as to strengthen and display picture demonstration of professional quality;
3. The location and size of PIP can both be adjusted, which can be controlled at will ; images are exquisite and have a good sense of depth;
4. Can implement white balance calibration and color gamut mapping based on different features of LEDs used by screens to ensure reproduction of true colors;
5. HDMI/external audio input;
6. 10bit/8bit HD video source;
7. The loading capacity:1.3 million pixel;
8. The system can be configured using one knob and one button. All can be done just by fingers. That's what we called Touch Track!
9. Adopts an innovative architecture to implement smart configuration; the screen debugging can be completed within 30 seconds; greatly shorten the preparation time on the stage;
10. A intuitive LCD display interface and clear button light hint simplify the control of the system.

Port	Function
Input Index	
VGA*1	VESA Standard, support max 1920×1200@60Hz input
CVBS*2	PAL/NTSC
DVI	VESA Standard (support 1080i input), support HDCP
HDMI	EIA/CEA-861 standard, in accordance with HDMI-1.3 standard, support HDCP
DP	VESA Standard
Output Index	
VGA	Output maximum1.3 million pixels (1280×1024@60Hz) Self-defined output resolution (Bandwidth optimization)
DVI	Horizontal resolution maximum 3840 pixels Vertical resolution maximum 1920 pixels
Specification of complete machine	
Input Power	AC 100-240V, 50/60Hz
Overall Power Consumption	16W
Operating Temperature	-20~60
Size	482.6×275×45 (mm)
Weight	2.55 Kg

#U8

Feature

1. The inputs of the U8 include CVBS×3, VGA×3, DVI×2, HDMI×1 ,DP×1.
2. Provide seamless high-speed switch and fade-in/ fade-out effect so as to strengthen and display picture demonstration of professional quality;
3. The location and size of PIP can both be adjusted, which can be controlled at will;
4. Can implement white balance calibration and color gamut mapping based on different features of LEDs used by screens to ensure reproduction of true colors;
5. HDMI/external audio input;
6. 10bit/8bit HD video source;
7. The loading capacity: 2.3 million pixel;
8. Support multiple controller montage for loading huge screen;
9. Computer software for system configuration is not necessary. The system can be configured using one knob and one button. All can be done just by fingers. That's what we called Touch Track!
10. Adopt an innovative architecture to implement smart configuration; the screen debugging can be completed within 30 seconds; greatly shorten the preparation time on the stage;
11. A intuitive LCD display interface and clear button light hint simplify the control of the system

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Function	Parameter
Capacity	2.3 Million
Width & Height	Max Width 3840 Max Height 1920
Control Port	USB/TCP/IP
Video Input	1×HDMI 1×DVI (IN+LOOP) 1×VGA 1×CVBS 1×DP 1×3G-SDI (IN+LOOP)
Audio Input	3.5mm Audio port/HDMI
Video Format	RGB, YCrCb4:2:2, YCrCb4:2:2
Video Monitor	VGA out / DVI out
Video source grayscale	8Bit
Output Port	4 Ethernet port
Cascading	√
Zoom	√
Splice	√
Layers	PIP
Preview	x
Preset	x

#UD2

Feature

1. 7 input connectors: 2× 3G-SDI, 2× HDMI1.3, 2× DVI, and 1× USB
2. Supports 3× layers and 1× OSD
3. Supports quick and advanced screen configurations
4. Switches the PVW to PGM
5. Supports PGM preview in the switcher mode
6. Supports input resolution adjustment and input source backup
7. Supports screen brightness adjustment
8. Multiple UD2 units can be cascaded
9. Automatically scales the image to fit the whole screen
10. The maximum video output width is 4096 pixels
11. 16 user presets can be created and saved as templates
12. Intuitive OLED screen and clear button indicator lights
13. Any HDMI or DVI input can be used for vertical output sync

FUNCTIONS	PARAMETERS
Capacity	3.9 Million
Width & Height	Max Width 4096
	Max Height 4096
Control Port	USB/TCP/IP
Video Input	2×3G-SDI 2×HDMI1.3 2×DVO 1×USB
Audio Input	HDMI
Video Format	RGB, YCrCb4:2:2, YCrCb4:2:2
Video Monitor	DVI out
Video source grayscale	8Bit
Output Port	6 Ethernet port
Cascading	√
Zoom	√
Splice	√
Layers	3
Preview	√
Preset	16

#UD4

FEATURES

1. Four output port splicing, 5.2 million pixels custom, horizontal maximum 15360 pixels, vertical maximum 7680 pixels
2. Arbitrary layout of three pictures, easy to complete the centralized control of the main screen, side screen, sky screen and ground screen
3. Support signal echo, real-time view of input and output signals through software
4. Support 4K Ultra HD signal processing
5. Multiple sets of editable global image overlays
6. Support for brightness keying, image transparency adjustment and edge feathering
7. Perform any partial interception of the signal source
8. Support multi-level input signal hot backup, multi-machine cascaded output
9. Custom EDID

PORT	PARAMETERS
INPUT PORT	
CVBS (BNC) *2	NTSC/PAL adaptive, supports 3D comb filter
VGA *2	The VESA standard supports a maximum of 1920 x 1200@60Hz
DVI *1	1.3 Standard: supports a maximum of 1920 x 1200@60Hz
HDMI *1	1.3 Standard: supports a maximum of 1920 x 1200@60Hz
EX *1~2	It is equipped with 2-channel DVI, supporting DVI, SDI, HDMI1.3/1.4, CVBS and other signals
OUTPUT PORT	
DVI-D *4	The horizontal resolution is up to 3840 pixels The maximum vertical resolution is 1920 pixels
DVI-D *2	1 channel monitoring output; 1 vessel out
CONTROL PORT	
RJ11 (RS-232) *1	The data transfer rate is 50、75、100、150、300、600、1200、2400、4800、9600、19200、38400、57600、115200 (BT)
RJ-45 *1	100M
RJ-45 *1	1000M, Support host software echo

#UD8

FEATURES

- 1.Supports up to 12 LCD or DLP screens for any stitching
2. 8 DVI-U inputs (DVI-U supports DVI/HDMI/VGA/CVBS)
3. 8 screens are arbitrarily laid out
4. The front panel has buttons and a color display, making it quick to set up without installing software
5. Support signal echo, through the software real-time view of input and output signals, what you see is what you get
6. Full 60Hz image processing, the picture is smooth and tear-free
7. Support output port mapping to achieve blind insertion
8. Fade-in and fade-out switching between any signa
9. 1.5U chassis, save installation space
10. Support one-click black screen
11. Performs an arbitrary partial interception of the signal source
12. Custom EDID
13. 32 scene modes can be pre-stored and invoked with one click
14. Support straight cut and fade in and out, no black screen, stuttering
15. The panel identifies the source status

PORT	PRAMETERS
INPUT PORT	
DVI-U *8	Maximum support resolution is 1920×1200@60Hz, backward compatible Support DVI/HDMI/VGA/CVBS Compatible with HDMI1.3 and below, EDID version 1.3
OUTPUT PORT	
HDMI*12	Support common output resolution from 1024×768@60Hz to 1920×1080@60Hz Support 60Hz/50Hz/30Hz output frame rate.
CONTROL PORT	
RJ11 (RS-232)	Data transfer rate is 50、75、100、150、300、600、1200、2400、4800、9600、19200、38400、57600、115200 (BT)
RJ-45	100M
RJ-45	1000M, Support PC software to echo

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