

云智科技
Y D E A C H N . C O M

YDEA Tech (shenzhen) Co.,Ltd

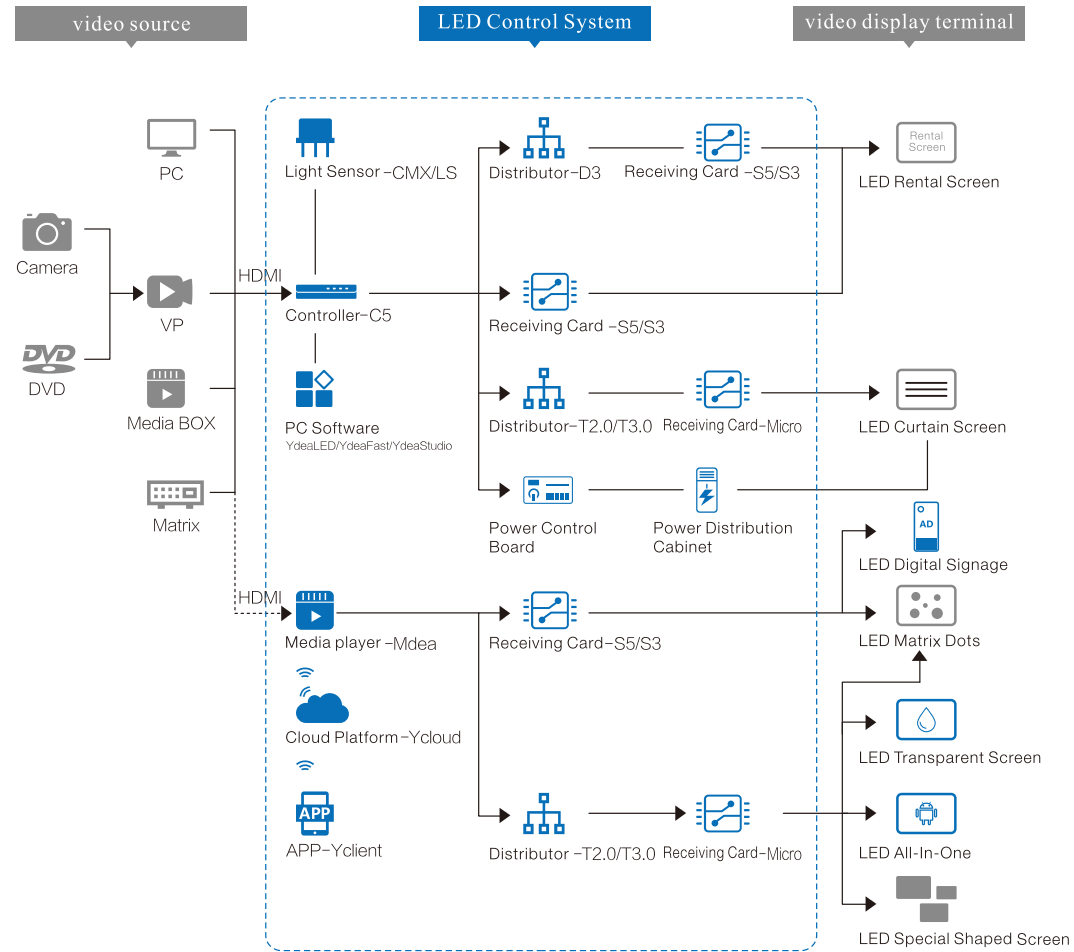


Works

YDEA LED Overall Solutions

YDEA is committed to providing customers with the best overall LED solutions. Products include LED display solutions, LED lighting solutions and LED system control overall solutions.

To create the shared and associated ecosystem of LED display —



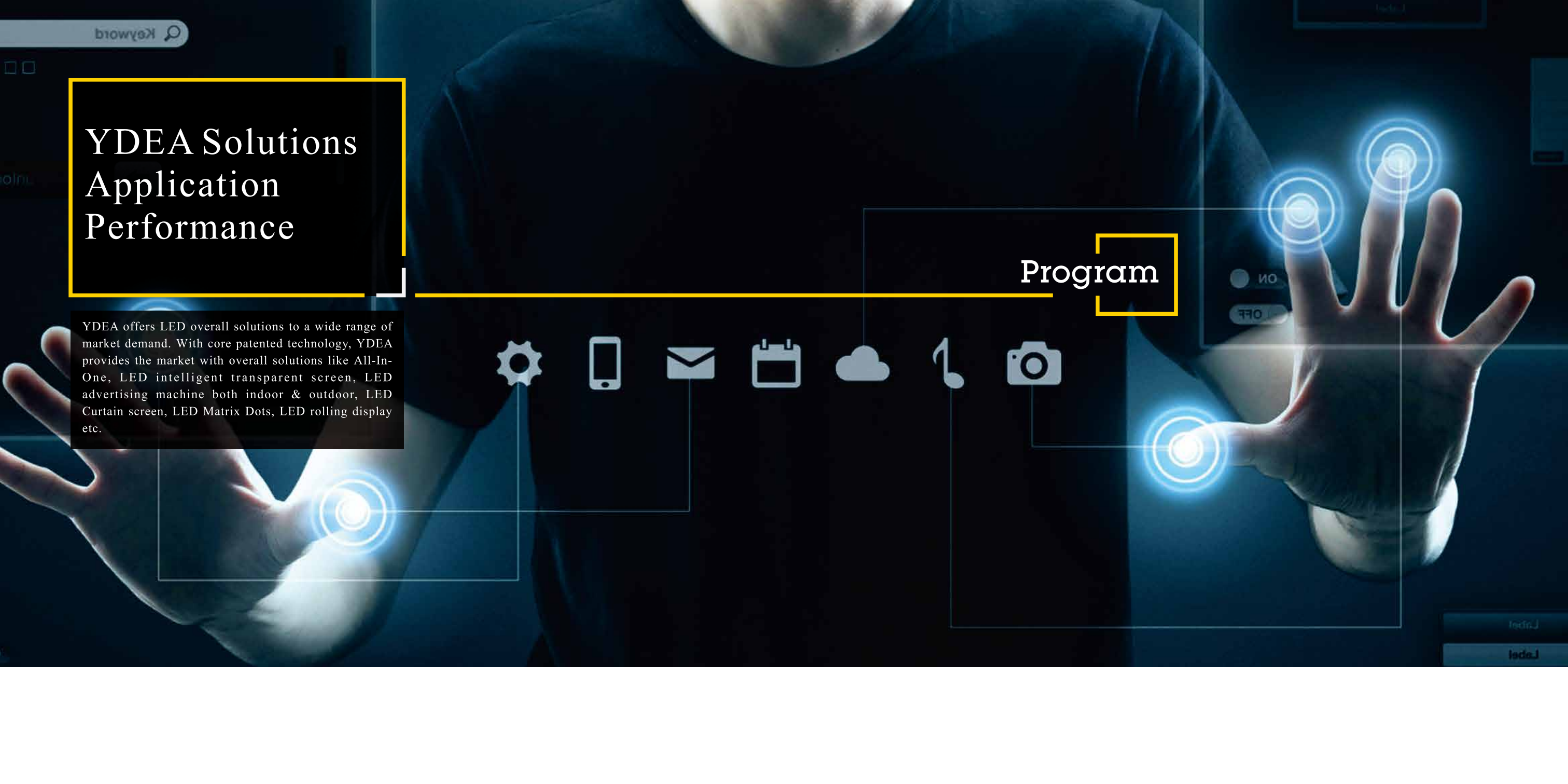
Wisdom, Integrity, Action, Share

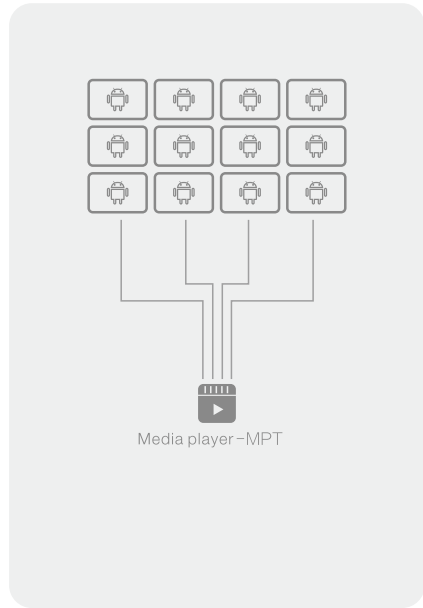
Target: Leader of LED overall solution provider in the global professional field
 Vision: Providing the best quality LED overall solutions, YDEA helps users enlarge business more effectively.

YDEA Solutions Application Performance

YDEA offers LED overall solutions to a wide range of market demand. With core patented technology, YDEA provides the market with overall solutions like All-In-One, LED intelligent transparent screen, LED advertising machine both indoor & outdoor, LED Curtain screen, LED Matrix Dots, LED rolling display etc.

Program



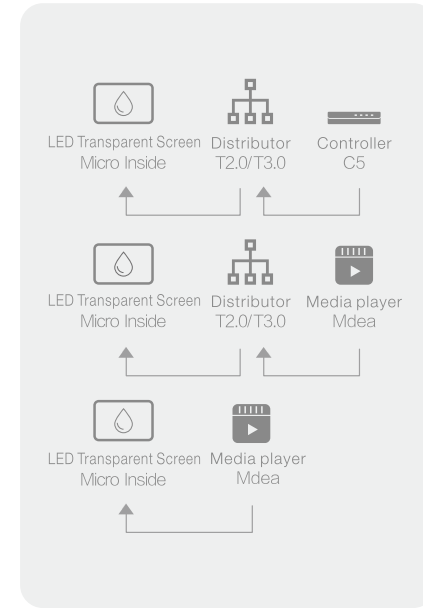


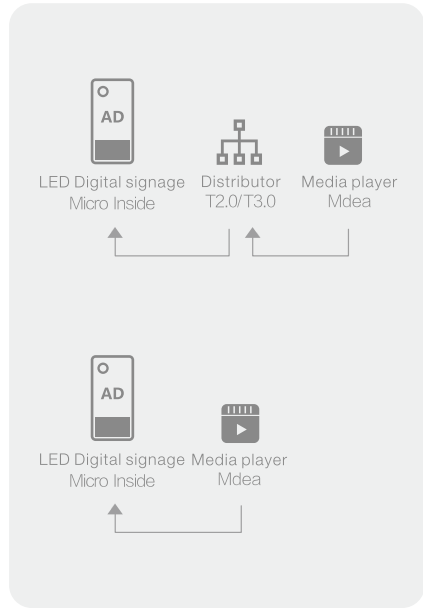
Intelligent All-In-One

Intelligent All-In-One LED display, and concise APP cloud control, provide perfect indoor&outdoor display solutions for commercial display.

Transparent screen

Transparent screen is a forward step innovation version of LED strip screen. Transparent screen solution has features of intelligent control, high transparency, high refresh rate, and DIY installation.





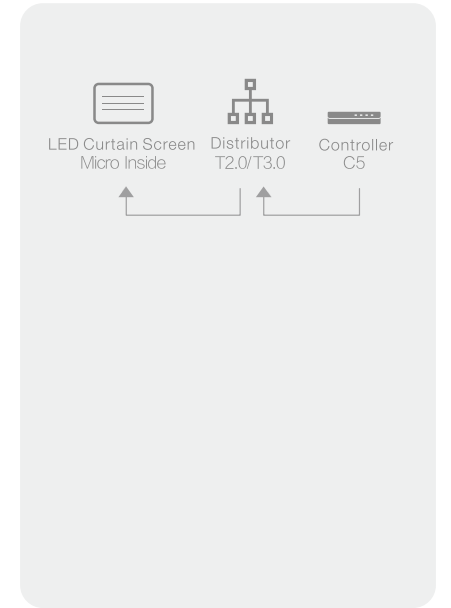
LED Digital Signage

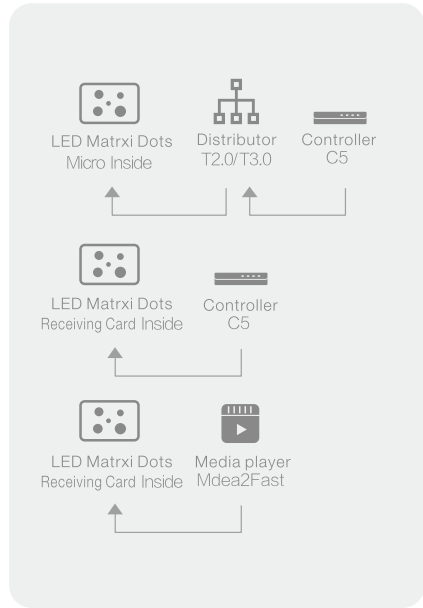
YDEA LED advertising machine solution has features of intelligent control, light and flexible, cluster management, and energy saving.



LED Curtain screen

LED curtain screen has features of bar-type, hollow and transparent designs, which don't affect the ventilation and lighting. YDEA LED curtain screen solutions have been successfully applied to 90% projects in the industry.



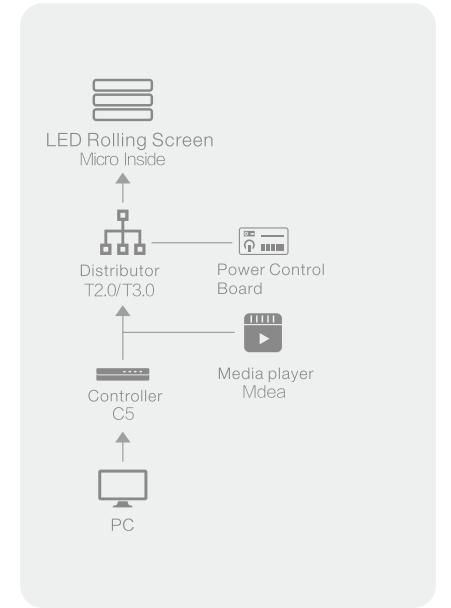


LED Matrix Dots

LED matrix dots can be freely combined into various shapes of terminal display. YDEA LED matrix dots system is successfully applied to the opening ceremony of the World Cup in Brazil.

LED Rolling Screen

Rolling screen is a flexible, lightweight, ultra-thin LED technology, getting you rid of the limitations of the traditional LED displays, to ensure that your information is particularly prominent showed in the incredible installation environment.





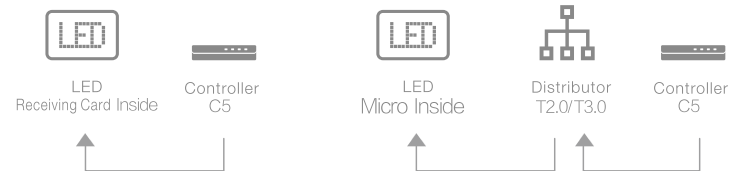
System

YDEA Control System

YDEA provides a complete series of LED control system technology, including Gigabit systems, Micro systems, Mdea systems, software systems. Help your LED display to achieve the best performance by software,firmware and hardware.



Gigabit system is a full range of video solution designed for the needs of high-end display applications, with features of large loading area, supporting real-time transmission, dot-by-dot correction function, online upgrade, high grayscale & high refresh, various scanning modes, LED fault information transmitted and diagnosis and dot-by-dot monitoring function etc.

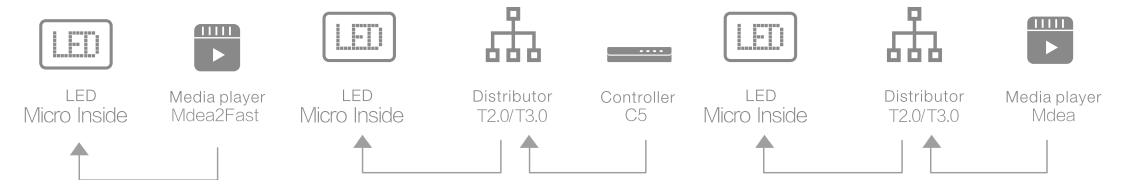


System advantages

Gigabit technology is a full range of video solution. Single main controller supports maximum loading: 3840*640*60Hz. For large screen loading solution, via the video card connected to multiple sending cards, realize more higher-resolution and dot-to-dot video mosaic. Support camera dot-by-dot correction of Imaging Radiant and VU. It also supports brightness & color dot-by-dot correction to make effect better. The maximum scanning board can support the correction of 256*256 pixels.



Micro is the first miniature receiving card, with tiny size. It has features of high flexibility, high load, high stability and other characteristics, which is very suitable for LED strip screen, net curtain screen, LED matrix dots, special shaped screen and other creative products.

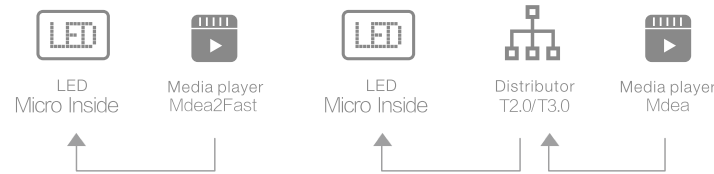


System advantages

Ultra small size design helps to solve the problem of space design. Support single card any position offset, and the contents rotation of single card display, to achieve the creative shapes of the screen. Reduce usages of cables and connectors, and simplify the structure design of LED display. Signal transmission requires only 2 cores CAT 5 twisted-pair to allow combination of signal and power cables together. About the peripherals cascade, use one-in-and-one-out to instead of two-in-and-two-out.



Mdea is an integrated and creative display system designed for advertising market with low cost, mainly for advertising network publishing and commercial display.

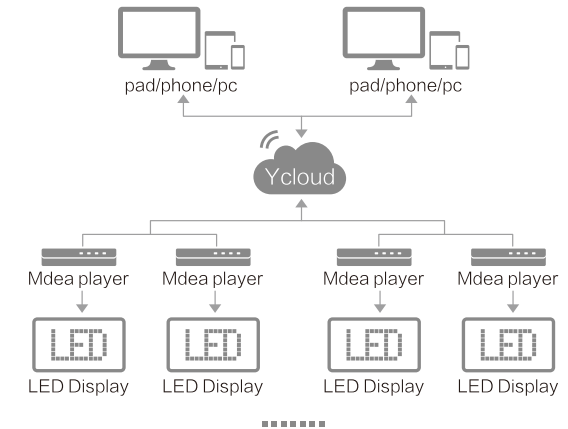


System advantages

Mdea is the combination of integrated network publishing system, single play and control system. It has network interface (Rj45), WiFi, and 3G card, which enable network playback for messages and videos. It has built-in media player function, which can be used as the PC host. It has built-in video processing and LED controller, which is compatible with LED asynchronous system, at the same time, with competitive price. With this system, we can help customers to achieve a simplified system structure, and reduce the cost of control.



Yclient single management software, can use the mobile phone and tablet to control program managements and parameters setting of the LED screen. Ycloud can also manage multiple screens, to facilitate the realization of remote cluster management.




System advantages

Based on cloud multimedia remote concentrated release and monitoring system, YDEA software system provides application solutions featured with safty, reliability, centralized management, standardization and easy to expand. The solutions mainly include the server, the management center software Ycloud, and the terminal software Yclient.



Micro series

Micro is the first miniature receiving card, with tiny size. It has features of high flexibility, high load, high stability and other characteristics, which is very suitable for LED strip screen, net curtain screen, LED Matrix Dots, special shaped screen and other creative products.

					
Model No.	Micro1.3	Micro1.4	Micro1.6	Micro2.1	Micro2.2
Loading area	within 64*32/ 32*64	1024 pixels	4096pixels	8192pixels	8192pixels
Refresh rate	static screen reaches more than 5500Hz	static screen reaches more than 5500Hz	static screen reaches more than 5500Hz	static screen reaches more than 5500Hz	static screen reaches more than 5500Hz
Interface type	2* P2.0, can choose headers	1* P2.0, can choose headers	2* P2.0, can choose headers	2.54 pitch stamp hole	2.54 pitch stamp hole
Scanning mode	Static—32	Static—16	Static—32	Static—32	Static—32
Grey level	4096—65536	4096—65536	4096—65536	4096—65536	4096—65536
Point-by-point correction		✓	✓		✓
Correction area		1024	4096		4096
Random Mapping			4096pixels		4096pixels
Chip support	all mainstream LED drive chips like normal chip, PWM chip, lamp chip	all mainstream LED drive chips like normal chip, PWM chip, lamp chip	all mainstream LED drive chips like normal chip, PWM chip, lamp chip	all mainstream LED drive chips like normal chip, PWM chip, lamp chip	all mainstream LED drive chips like normal chip, PWM chip, lamp chip
Output RGB data group	serial RGB data 16 groups and 4 clock extension	serial RGB data 8 groups and 4 clock extension	serial RGB data 16 groups and 4 clock extension	parallel RGB data 8 groups	parallel RGB data 8 groups
Double direction IO port	8, message backward read		8, message backward read	24 I/O	24 I/O
Creative display	single card random offset	single card random offset	single card random offset	single card random offset	single card random offset
Single card rotation	0° ,90° ,180° ,270°	0° ,90° ,180° ,270°	0° ,90° ,180° ,270°	0° ,90° ,180° ,270°	0° ,90° ,180° ,270°
Upgrade online	✓	✓	✓Dualboot	✓	✓Dualboot
Cascading card	general 128, max 256	general 256, max 512	general 256	general 128, max 256	general 128, max 256
Brightness loss	5%--30%	5%--30%	5%--30%	5%--30%	5%--30%
Working voltage	3.6-5V DC	3.6-5V DC	3.6-5V DC	3.6-5V DC	3.6-5V DC
Working temperature	-40℃--80℃	-40℃--80℃	-40℃--80℃	-40℃--80℃	-40℃--80℃
Size	length 70×width 24 (mm)	length 68×width 24 (mm)	length 70×width 24 (mm)	length 72×width 15 (mm)	length 73×width 15 (mm)



Mdea series

Mdea is an integrated and creative display system of high integration density, mainly for advertising network publishing and building lighting display.

			
Parameter	Mdea1	Mdea2Plus	Mdea2Fast
CPU	Cortex-A7 framework	Cortex-A7 framework	Cortex-A7 framework
GPU	Mali400, speed 400MHz	Mali400, speed 400MHz	Mali400, speed 400MHz
RAM	DDR3, 2GB memory	DDR3, 1GB memory	DDR3, 1GB memory
ROM Flash	8GB	8GB	8GB
multi-media support	image: BMP, JPEG, M-JPEG, GIF, PNG video: MPEG1/2/4, H.263/H.264, WMV/VC-1, MVC, AVS, MJPEG. audio: MP3, WMA, WAV, OGG, FLAC, ALAC, AP E, AMR, AAC, AC-3	image: BMP, JPEG, M-JPEG, GIF, PNG video: MP4, 3GP, MKV, FLV audio: MP3, WMA, WAV, OGG, FLAC, ALAC, AP E, AMR, AAC, AC-3	image: BMP, JPEG, M-JPEG, GIF, PNG video: MP4, 3GP, MKV, FLV audio: MP3, WMA, WAV, OGG, FLAC, ALAC, AP E, AMR, AAC, AC-3
WIFI	support 802.11b/g/n	support 802.11b/g/n	support 802.11b/g/n
3G/4G	support 3G module	support 4G module	support 4G module
Ethernet	support 10M/100M Ethernet, RJ-45 interface		
HDMI interface	2, support HDMI1.3 and above (1280*720/60hz)	1, support HDMI1.3 and above (1280*720/60hz)	1, support HDMI1.3 and above (1280*720/60hz)
USB interface	2, with mouse, keyboard, 3G card	2, with mouse, keyboard, U disk	2, with mouse, keyboard, U disk
Serial	1, USB-B standard (USB transfer to serial port)		
LCD interface	1, support 1024*600, Support capacitive touch screen		
Audio interface	2, standard lotus audio interface	1, 3.5 audio interface	1, 3.5 audio interface
LED video output interface	2, output port (RJ45) support 1024*600*24 bit*60Hz	1, output port support 1024*600 output mode; each output port can move within 1024*600	1, output port support 64*960/128*480 /256*240/512*120/1024*600 output mode; each output port can move within 1024*600
System	Andriod 4.2.2	Andriod 4.2.2	Andriod 4.2.2
Control software	YdeaFast/Yclient	YdeaFast/Yclient	YdeaFast/Yclient
Play software	built-in	built-in	built-in
Power input	DC (12V, 2A)	DC (5V, 3A)	DC (5V, 3A)
Working Temperature	-20℃~55℃	-20℃~55℃	-20℃~55℃
Working Consumption	≅ 5W	≅ 15W	≅ 15W
Size	length 206×width 100 (mm)	length 120×width 68.5 (mm)	length 150×width 70 (mm)



Main controller C series




Main controller C series is a full range of video solution designed for the needs of high-end display applications, with features of large loading area, supporting real-time transmission, dot-by-dot correction function, field upgrade, high grayscale & high refresh, various scanning modes, LED fault information transmitted and diagnosis and dot-by-dot monitoring function etc.

	C5
Control Area	max 2304000
Input Resolution Ratio	1920x1200,2048 x1152,user-defined
Output Resolution Ratio	1920×1200,2048x1152,2560x960,3840x640
Multi- Machine Stitching	✓
Video Interface	DVI/HDMI
Point-by Point Correction	brightness, chroma
Dmx Interface	✓
Upgrade Online	✓
Distributor	✓
Division Of Load	random
Creative Display	✓
Transmission Distance	100 meters
Control Support	USB panel buttons
Working Temperature	-20℃- 50℃
Input Power	100-240VAC 50/60HZ
Size	length 480×width 300× height44 (mm)



Distributor T series





Distributor T series is designed for HD LED display to change Gigabit to Fast ethernet.It supports multi-channel signal input and output management, and video signal intelligent segmentation, to realize the signal reallocation. Besides, its feature of fully supporting online fault diagnosis, making the system more stable and reliable, which is suitable for building display and lighting.

			
Parameter	T1.0	T2.0	T2.1
Signal Input	1 road RJ45	1 road RJ45	1 road molex
Signal Looping Out	1 road RJ45	1 road RJ45	1 road molex
Signal Output	8roads RJ45	8roads RJ45	4roads molex
Multi-machine Stitching	✓	✓	✓
Two-way Backup	✓	✓	✓
Creative Display	Vertical segmentation random move, horizontal segmentation even number move	single machine and single port random move	single machine and single port random move
Transmission Mode	Up to down, down to up, left to right, right to left	Up to down, down to up, left to right, right to left	Up to down, down to up, left to right, right to left
Transmission Distance	100m	100m	100m
Compatibility	Micro	Micro	Micro
Upgrade Online	✓	✓	✓
Working Temperature	-30℃- 70℃	-30℃- 70℃	-30℃- 70℃
Working Humidity	5% - 95%	5% - 95%	5% - 95%
Input Power	100-240VAC 50/60HZ	100-240VAC 50/60HZ	DC 12V
Consumption	25W	25W	25W
Size	length200×width 150×height44 (mm)	length 200×width 150×height 44 (mm)	length 160×width 58×height 17(mm)
Weight	<1kg	<1kg	<1kg



Receiving Card S series

S series is a general Receiving Card for cabinet screen, rental screen and ultra-thin screen. It is more stable and reliable with better quality. When change the receiving card, it is no need to reset the parameters, which helps to save time, improve efficiency and simplify after-sale service. It supports the dot-by-dot correction of ultra large pixel area.

				
Loading Area	S3.0	S3.1	S3.5	S3.9
Refresh Rate	256×256	256×256	256×256	64×64, random scanning
Interface Type	static screen reaches 5500Hz or more	static screen reaches 5500Hz or more	static screen reaches 5500Hz or more	static screen reaches 5500Hz or more
Scanning Mode	2*RJ45, HUB board output	2*MOLEX P3.0, choose headers or receptacle output	2*RJ45, HUB board output	2*10P, 2.0 pitch receptacle
Grey Level	static--32	static--32	static--32	static--4
Point-by-point	4096—65536	4096—65536	4096—65536	4096—65536
Correction	brightness, chroma	brightness, chroma	brightness, chroma	not support
Correction Area	normal chip, PWM chip, lamp chip	normal chip, PWM chip, lamp chip	normal chip, PWM chip, lamp chip	normal chip, PWM chip, lamp chip
Chip Support	16groups	12groups	16 groups	16 serial ports
Output Rgb Data Group	✓	✓	✓	✓
Online Upgrade	general 256, max 512	general 256, max 512	general 256, max 512	general 256, max 512
Cascading Card	5%--30%	5%--30%	5%--30%	5%--30%
Brightness Loss	4-5.5V DC	4-5.5V DC	4-5.5V DC	4-5.5V DC
Working Voltage	-30℃- 70℃	-30℃- 70℃	-30℃- 70℃	-30℃- 70℃

Light sensor LS series

When the illumination changes, light sensor LS series is mainly used for automatic adjustment of LED display brightness. According to customer requirements, it is designed with timing adjustment and light adjustment two ways to control the brightness of the display.



	LS2.0
Interface	One road for brightness output, another for power
Working voltage	100-240V AC 50/60HZ
Lighting range	0-65000Lux
Compatible main controller	can be used on all C5.0, Mdea1

F series of fiber optical transceivers

F series of optical fiber transceiver is a photoelectric converter for transferring signal from ultra long distance. It breaks through the limitation of traditional cable transmission, and its ultra low delayed data transmission ensures the stability and reliability of the signal.



	F1.0
Protocol	One road for brightness output, another for
Optical Fiber	100-240V AC 50/60HZ
Interface	0-65000Lux
Transmission Speed	1000M
Indication Light	1000M/100M, Link, Act, FDX, Power
Transmission Distance	10KM
Working Temperature	0℃- 50℃
Working Humidity	5% - 95%
Working Voltage	100-240VAC 50/60HZ
Size	length143×width147×height40 (mm)
Weight	0.5kg

Power control board P series

The P series of the power control board can control the on-off of 6 way power switch, realising the opening and closing of the screen without human operation. It support the network port to cascade before or at the end of the receiving card.



	POWER CONTROL 1
Working Voltage	5V DC
Supporting Road	6 roads for power on-off control
Compatible Scanning Card	match with S3.0 scanning board
Size	length 144×width91.2 (mm)

YDEA Tech (Shenzhen) Co.,Ltd

YDEA Tech (Shenzhen) Co.,Ltd is committed to providing the best LED solutions for customers. Through cooperation and communication with numbers of outstanding domestic LED manufacturers and equipment suppliers, the products are widely used in the Olympic Games, World Expo, Live broadcast, the 2014 Brazil World Cup opening ceremony, the 2014 Youth Olympic Games in Nanjing, 2015 Italy Milan World Expo, 2015 "Asia's first big screen LED", the Central Plains "sky" 2015 and other large projects.

Expert



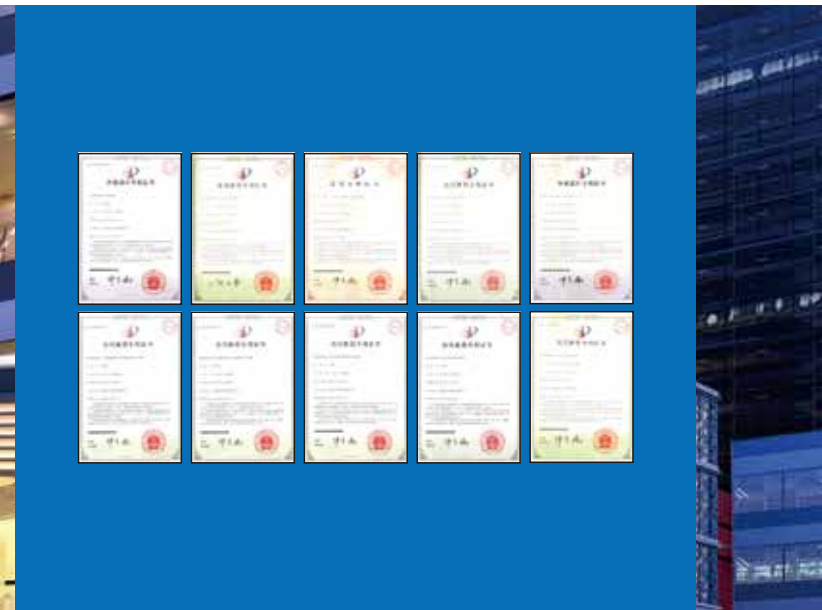
Company Advantage

We have certifications of “National high tech enterprise”, “double soft certification”, “ISO9001 quality management system”. Products achieved CE, RoHS, TUV-EMC and other international authoritative certifications and obtained more than 20 software copyrights. It has 3 patents for invention, 8 patents for utility model, 2 patents for the appearance.






More than 80 well-known LED display customers had engaged in the R&D and implementation in the Beijing Olympic Games, the world cup in Brazil, Nanjing Youth Olympic Games, World Expo, Milan and other major LED display projects.

It has more than 100 marketing staff and over 30 senior R & D staff, most of who have more than 10 years experience in LED display.






 Brazil World Cup Petals Screen



-  Project requirements: The spherical display project of 2014 Brazil World Cup opening and closing ceremony.
-  Solutions: Solutions: the total area of project is 140 m². The diameter of the sphere is 7m, which is divided into 9 petals in the show. Because the lamp strip on each petal of the sphere is different, so customized design was needed. The Micro system was used to deal with the pixel-mapping of the sphere to realize the video playing in the whole ball.
-  Project information: “Live” football became the biggest highlight of the opening ceremony of the world cup. The football was composed of 90 thousand Leds, with brightness reaching 7000 nits, making the entire opening ceremony vivid.




 Milan World Expo Grain Screen



-  Project requirements: The theme of the China National Pavilion is "Field of Hope, the Source of Life". The shape of China pavilion looks like “wheat wave” on the field, interpreting Chinese attitudes towards agriculture, food, diet, and natural.
-  Solutions: It was designed by Tsinghua Institute, using the most advanced LED technology Micro system, and large new media art device together with the giant LED optical lattice to constitute the huge dynamic fields with stereo sense. Each "straw" at the top of the "ear" is LED luminous shiner controlled by the computer program .
-  Project information: The works covers an area of about 500 square meters, composed by more than 30 thousand artificial wheat-straws, running through the China Pavilion and integrated with the architectural space.




 Nanjing Youth Olympic Curtain Screen



-  Project requirements: Jiangsu TV Tower and the Zijin tower Youth Olympic Games lighting project, creates "the most beautiful youth Olympic screen" in a window area of the city of Nanjing
-  Solutions: The lighting project combines Zijin tower unique geographical position and the characteristics of the building itself to blend the design conception of "innovation, light, energy conservation design" into the city landmark building. The Micro system is used to reduce the wind load effectively. Equipped with a light automatic adjustment control system, response to the "The green youth Olympic" call.
-  Project information: Curtain screen area: (length) 11m 3* (height) 67.5m 3* 3 pcs= 2227.5; height from the ground: about 78m; transparent rate can reach 50%.

 Asia Biggest Curtain Screen






-  Project requirements: Decorate the "city-cover" to make Guanyin bridge commercial area more fashionable, funny and energetic.
-  Solutions: Tsinghua Academy refers to the ultra-large screen design in the famous New York Times square, using the world's most advanced LED display technology Micro system, to make the weight between 15-18kg per square meter, only 1/6 of the ordinary display. The screen is particular equipped with the optical instrument, which saves energy and avoid light pollution effectively.
-  Project information: In 2015, Guanyin Bridge commercial district successfully installed the largest and highest outdoor LED display in Asia, refreshing the height record of outdoor display, with a total area of 3363 square meters, and 100 meters height.

CASES

Zhengzhou 1100 square meters LED sky dome



-  **Project requirements:** The giant LED hyperboloid sky dome, in Huiyi era Times Square, with the concept of "all Zhengzhou, look upward", helps to inherit and carry out the Central Plains culture.
-  **Solutions:** Based on the industry orientation and demand of Time Square, YDEA creates the most advanced Micro system. Via the combination of distinct structure and design, bring a full range, and a stunning visual impact without any defect for tourists.
-  **Project information:** It is the unique ultra large LED canopy of 1100 square meters nationwide, with height of 15 to 23 meters. The creation inspiration of irregular surface wave ribbon dates from the ribbon left by a fairy.

Systems successfully served **36571** projects
Our systems support total area of **1000000+** square meters all around the world
The systems are successfully applied to **79** industries
The earliest system (Chongqing Twin Towers) runs for **52560** hours
Spread over **134** countries and regions