



MOLLES

Professional Commercial Display Products Provider



www.mingfatech.com



Profile

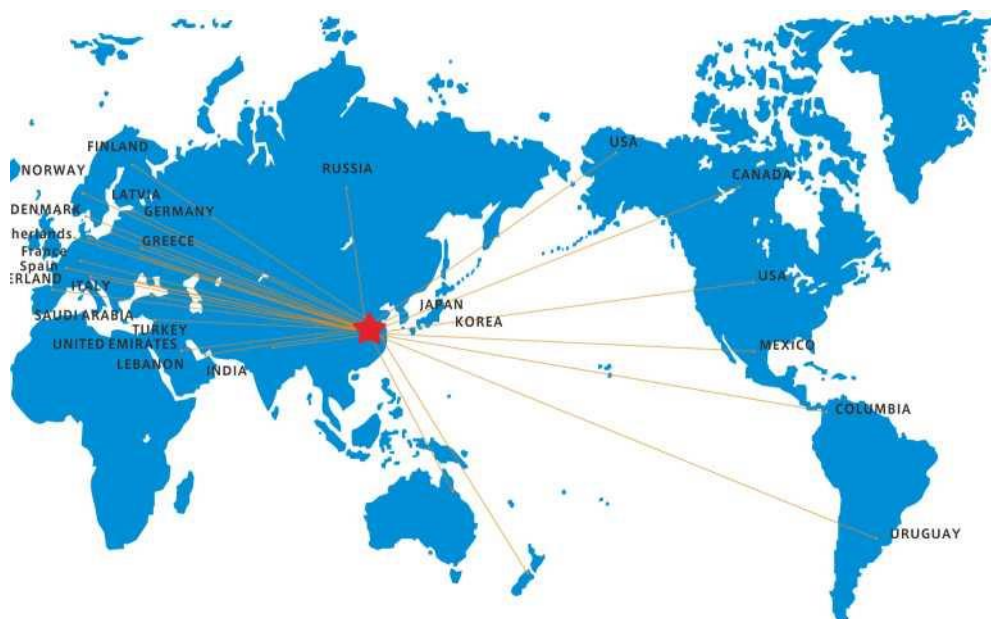
MOLLES by virtue of years of solid operating experiences in the Commercial Display field, orientate to be a high-tech enterprises and provide leading display products and solutions to global customers. We are specialized in research & development, production and customization of commercial display device as LCD advertising player, LCD touch all-in-one PC, LCD splicing screen, transparent screen and line-screen etc. which is widely used in digital signage, security monitoring and rail transit etc.

MOLLES main products are in accordance with the United States UL,FCC, European CE, China CCC, Australia C-tick, RoHS, WEEE environmental protection and military security authentication, commit to provide customers with safe and green display products.

MOLLES adhere to the People-oriented, honest and trustworthy management idea, stressing the cultivation of the staff quality, to build a friendly, harmonious, learning and progress of corporate culture and realize the great value of every employee.

MOLLES is also focus on the resource integration, always effort to provide you the most satisfied products with the best and consistent quality at competitive prices and with fast and on time delivery. And we have a strong QC team to monitor the production process and inspects all products before shipment, control the quality from the source, and a Professional customer service team is always stand by to consult you a heart to heart service on the all purchases or after-sale issues related to our products, because we are always looking forward to the continuing long-term services for you, not just one or two times co-operation. Even constantly do some research of the Chinese LCD Commercial Display Device market update of the most efficient product solutions available to satisfy your individual demand.

MOLLES always adhere the business philosophy as "Take honestly as trader as friend with reliance" and the "Mutual Respect" business principles, looking forward to have a sincere cooperation with every customer at home and abroad, to achieve maximum mutual benefit target.





**FOCUS ON
MANUFACTURING
AND
PROVIDING**

COMMERCIAL ADVERTISING DISPLAYS

- Indoor Digital Signage
- LCD Advertising Display
- Digital Billboard
- Touch Screen Kiosk
- Self-service Terminal
- Outdoor Digital Signage
- Touch Screen All-in-one Monitor

FEATURED PRODUCTS

- Smart Mirror
- Touch Screen Table
- Transparent LCD Display
- Smart Digital Photo Frame
- Multi-function charging station kiosk
- Ticket & payment self-service kiosk

SAFETY MONITOR PRODUCTS

- LCD Video Wall
- CCTV Monitor

Simple, Smart, Advertise Everywhere

CUSTOMIZED SERVICE

OEM/ODM depend on your requirement



LCD PANEL BRAND OPTIONAL

- >BOE
- >LG
- >SAMSUNG
- >INNOLUX /AUO/QIMEI

OPERATING SYSTEM OPTIONAL

- >ANDROID
- >WINDOWS
- >LINUX

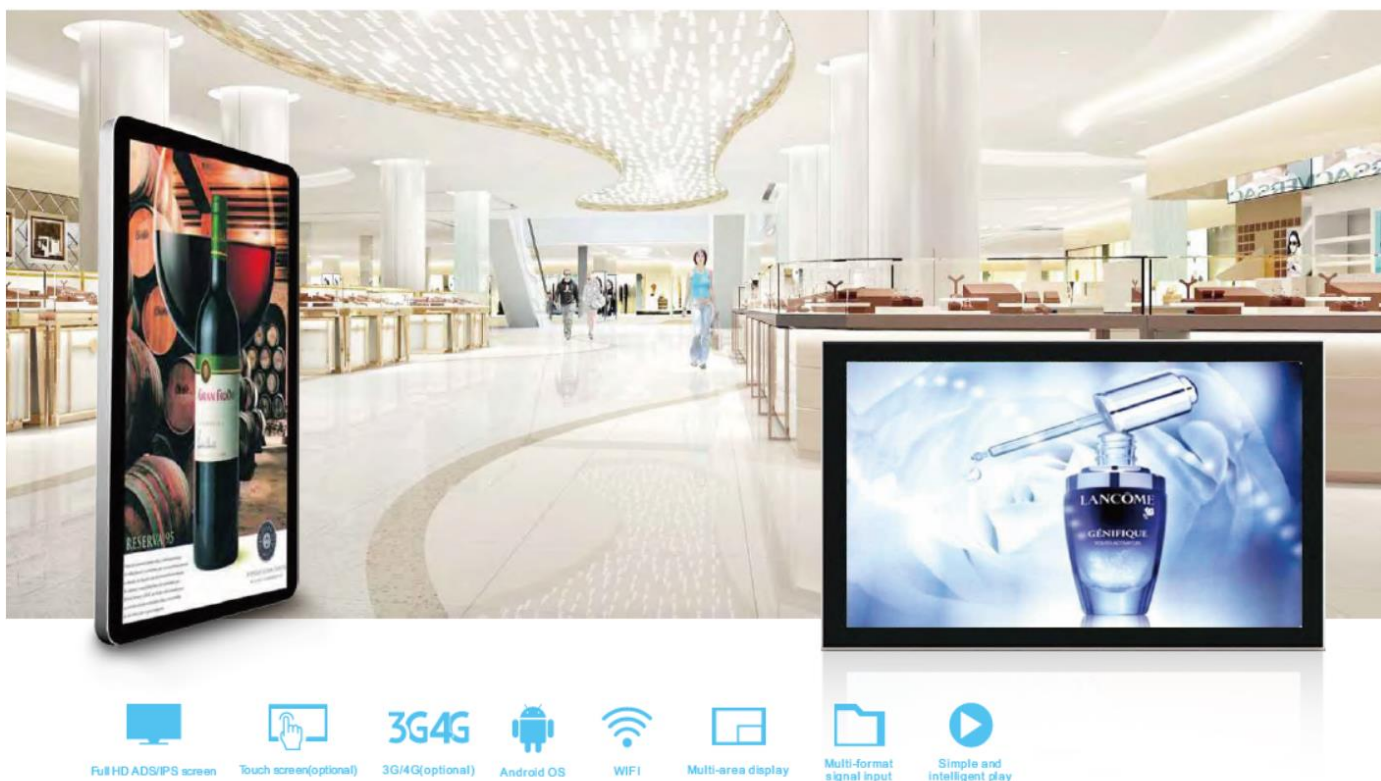
TOUCH SCREEN OPTIONAL

- >NANO TOUCH
- >IR TOUCH
- >CAPACITIVE TOUCH

Meeting our customer's individual demand



LCD Size		32"	43"	49"	55"	65"
LCD Panel	Display Mode	ADS/IPS				
	Resolution	1920*1080				
	BLU Type	E-LED				
	Brightness	380 cd/m ²				
	Viewing Angle(U/D,L/R)	178° (H) / 178° (V)				
	Contrast Ratio	1200:1				
	Color Gamut	72%				
	Uniformity	75%				
Technical Parameter	Touch Mode	NON /IR /CAPACITIVE touch for optional				
	Operating System	Windows or Android				
	CPU	Optional according to the system				
	Interface	2×USB2.0,1×RJ45				
	Optional function	WIFI(optional) 、Bluetooth(optional) 、3G(optional) 、4G(optional) 、VGA(optional) 、HDMI(optional)				
	Speaker	8Ω/5W × 2				
	Magnetic circuit type	inner-magnet				
	Maximum Volume	94+3db				
Others	Audio Mode	stereo				
	LCD Rotation	Optional				
	Housing Material	SPCC/Aluminum/customized, with metallic lacquer				
	Color	white/black/customized				



LCD Size		32"	43"	49"	55"	65"
LCD Panel	Display Mode	ADS/IPS				
	Resolution	1920*1080				
	BLU Type	E-LED				
	Brightness	380cd/m ²				
	Viewing Angle(U/D,L/R)	178°(H)/ 178°(V)				
	Contrast Ratio	1200 : 1				
	Color Gamut	72%				
	Uniformity	75%				
Technical Parameter	Touch Mode	NON /IR /CAPACITIVE touch for optional				
	Operating System	Windows or Android				
	CPU	Optional according to the system				
	Interface	2 x USB2.0,1 x RJ45				
	Optional function	WIFI(optional) 、Bluetooth(optional) 、3G(optional) 、4G(optional) 、VGA(optional) 、HDMI(optional)				
	Speaker	80/5W x 2				
	Magnetic circuit type	inner-magnet				
	Maximum Volume	94+3db				
	Audio Mode	stereo				
Others	Housing Material	SPCC/Aluminum/customized,with metallic lacquer				
	Color	white/black/customized				



LCD Size		32"	43"	49"	55"
LCD Panel	Aspect Ratio	16 : 9			
	Response Time	5.5ms			
	Resolution	1920X1080			
	Contrast Ratio	1200 : 1			
	Brightness	380 cd/m2			
	Display Color (Max)	16.7M			
	Viewing Angle(U/D,L/R)	178° (H) / 178° (V)			
Touch Screen	Type	NON /IR /CAPACITIVE touch for optional			
	Touch point	6 points (10points optional)			
	Resolution	1920X1080			
	Response time	Dual touch :			
		first click:8ms, continuous:8ms			
		Single touch :			
Technical Parameter	cursor blink speed	Single: highest 300 dot/s, dual touch:125 dots/s			
	Operating System	Windows or Android			
	CPU	Optional according to the system			
	Stero Speaker	2x10W			
Optional function	Optional function	WIFI (optional) 、 Bluetooth (optional) 、 3G (optional) 、 4G (optional) 、 VGA (optional) 、 HDMI			
		(optional)			



Windows OS



Touch screen(optional)



3G/4G(optional)



Android OS



HD-camera



WiFi



Multi-format signal input



Easy maintenance

LCD Size		18.5"	21.5"
LCD Panel	Color	Black Panel + White Frame	
	Frame Material	Aluminum Frame, SPCC	
	Display Resolution	1440x900	
	Brightness	280 cd/m ²	
	Viewing Angle(U/D,L/R)	178° (H) / 178° (V)	
	Ratio	1200 : 1	
	Color Depth	16.7M	
	Scanning Frequency	50-60Hz	
	Backlight	CCFL LED	
Touch Screen	Touch Mode	CAPACITIVE touch	
	Touch Screen	Ultrathin Stalinite	
	Touch object	Anything light tight · ≥5mm	
	Water-Proof Grade	IP65	
Technical Parameter	CPU	Optional according to the system	
	Memory	Kingston 4G/1600 portable computer	
	Hard Disk	500G	
	Interface	HDMI×1、VGA×1、RS232×1、RJ45×1、USB2.0×4、PC Audio×1、MIC×1	
	Pre-set System	Windows	
	Printer	58MM Thermal Printer	

TOUCH SCREEN TABLE

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LCD Size		32"	43"	49"	55"
LCD Panel	Display Resolution	1920 × 1080			
	Color Depth	16.7M			
	Viewing Angle(U/D,L/R)	78/78/78/78			
	Brightness	450cd/m ²			
	Contrast ratio	1200:1			
	Response Time	6ms			
Touch Screen	Touch Technology	IR/NANO/CAPACITIVE touch for optional			
	Touch Points	6 points touch			
	Power supply	USB			
	Touch Screen Resolution	4096×4096			
Technical Parameter	Operating System	Windows or Android			
	CPU	Optional according to the system			
	Interface	4×USB2.0,1×VGA,1×LAN,1×HDMI			
	Mode of Networking	RJ45 、 WIFI (optional) 、 Bluetooth (optional) 、 3G (optional) 、 4G (optional)			
	Magnetic circuit type	inner-magnet			
	Maximum Volume	94+3db			
	Audio Mode	stereo			
Others	Cabinet Material	SPCC/Aluminum/customized, with metallic lacquer			
	Color	white/black/customized			

TRANSPARENT LCDDISPLAY

MOLLES



LCD Size		22"	32"	43"	46"	49"	55"	65"
LCD Panel	Resolution	1920(H)1080(V)						
	Pixel Arrangement	Pixels RGB Vertical Stripe						
	Brightness	380cd/m ²						
	Contrast ratio	1200:1						
	Color Depth	16.7M(8bits-true)						
	Pixel Pitch	0.2652(H)X0.2652(V)						
	Open Cell Transmittance	9(Typ.)						
	Color Gamut	72%						
	Type	TFT						
	Viewing Angle(U/D,L/R)	178°（H）/ 178°（V）						
Language		Multi-language supported						
Technical Parameter	Operating Mode	Windows or Android						
	USB	1（USB2.0 interface）						
	SD	1（Compatible MMC/MS）						
	CF	1(optional)						
	L/R audio input	1（RCA*2）						
	L/R audio output	1（RCA*2）						
Others	Power Input	100~240V AC						
	Power Consumption	≤120W						

STRETCHED BAR LCD DISPLAY

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LCD Size		19"	21"	24"	28"	36.6"	37"	47"	48"
LCD Panel	Active Area	698.8(H) x 200(V)							
	LCD Type	a-Si TFT active matrix							
	Color Depth	8 bit, 16.7M							
	Resolution	1,920x540							
	Pixel Pitch	0.364(H) x 0.364(W)							
	Viewing Angle(U/D,L/R)	178° (H) / 178° (V)							
Technical Parameter	CPU	Octa-Core ARM Cortex A7 2.0 Ghz							
	GPU	PowerVR SGX544							
	RAM	DDR3 1G(Up to 2G for optional)							
	Storage	EMMC 8G/16G/32G Optional (Standard 8G)							
	Network	RJ45 、 WIFI 、 3G/4G(optional) 、 WCDMA 、 EVDO 、 CDMA 、 GSM850/900/1800/1900MHz/2100MHz							
	Interface	1*HDMI							
		2*USB							
		TF up to 64G							
		10W*2 8Ω Speaker							
	Operating System	Android							
Language	Multi-Language Supported								



LCD Size		18.5"+10.1"	
LCD Panel	Panel Size	18.5 inch	10.1 inch
	Display Resolution	1920*1080	800*480
	Aspect Ratio	16:9	16:9
	Brightness	300 cd/m ²	300 cd/m ²
	Contrast	1200:1	400:1
	Color Depth	16.7M	
	Display Area	476.6 (H) ×268.1 (V) mm	152.4 (H) ×91.4 (V) mm
	Type	TFT	
	Response Time	≤5ms	
	Viewing Angle(U/D,L/R)	178°(H)/ 178°(V)	
Technical Parameter	Image resolution	480P/720P/1080P	
	Operating Mode	Android	
	4G Card	1	
	LVDS	1*LVDS	
	USB	1 (USB2.0 interface)	
	SD	1 (Compatible MMC/MS)	
	UART	1(optional)	
Others	Dimension	570*560*42	
	Material	Aluminum	
	Color	white, black, customized	

FLOOR STAND SMART MIRROR

MOLLES



LCD Size		32"	43"	49"	55"
LCD Panel	Display Resolution	1920*1080			
	Color Depth	16.7M			
	Brightness	500 cd/m ²			
	Brightness (complete appliance)	150 cd/m ²			
Technical Parameter	IC	MT8127			
	Type	Cortex A7			
	Core	4 core(Optional)			
	GPU	Mali450			
	RAM	2G DDR3			
	ROM	8G EMMC FLASH(16G optional)			
	System Version	Android			
Others	Touch control	GFF 10points			
	Camera	Optional			
	Volume Control	Optional			
	Body Induction	Optional			
	WIFI Type	WIFI 802.11B/G/N			
	USB	Type A USB			
	Keypad	~220V Power Switch			
	Waterproofing Grad	IP65			
	Material	Metal			

WALL MOUNTED SMART MIRROR

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LCD Size		18.5"		32"
LCD Panel	Display Resolution	1920*1080		
	Color Depth	16.7M		
	Brightness	500 cd/m ²		
	Brightness (complete appliance)	150 cd/m ²		
Technical Parameter	IC	Mt8127		
	Type	Cortex A7		
	Core	4 core(Optional)		
	IC	Mali450		
	RAM	2G DDR3		
	ROM	8G EMMC FLASH(16G optional)		
	System Version	Android		
Others	Touch control	CAPACITIVE touch		
	Camera	Non		Yes
	Volume Control	Optional		
	Body Induction	Non		Yes
	WIFI Type	WIFI 802.11B/G/N		
	USB	Type A USB		
	Keypad	~220V Power Switch		
	Waterproofing Grad	IP65		
	Shape	Pic A	Pic B	Pic C
	Material	Metal		



LCD Size		32"	43"	49"	55"
LCD Panel	Aspect Ratio	16:9			
	Response Time	5.5ms			
	Resolution	1920X1080			
	Contrast Ratio	1200:1			
	Brightness	380 cd/m ² (Typ)			
	Display Color (Max)	16.7M			
	Viewing Angle(U/D,L/R)	178° (H) / 178° (V)			
Technical Parameter	OS	Windows or Android			
	CPU	Optional according to the system			
	Stereo Speaker	2x10W			
	Network	LAN(RJ45) / WIFI / Bluetooth			
	Optional function	3G/4G (optional) / VGA (optional) /HDMI (optional)			
Touch Screen	Type	IR or Capacitive multi-touch for optional			
	Touch point	10 point multi-touch			
	Response time	Dual touch : first click:8ms,continuous:8ms Single touch : first click: 8ms,cintinuuous:3ms			
	cursor blink speed	Single: highest 300 dot /s, dual touch:125 dots/s			
Others	USB charging interface	Fast Charging			
	Power Socket Type	Various type for Optional			

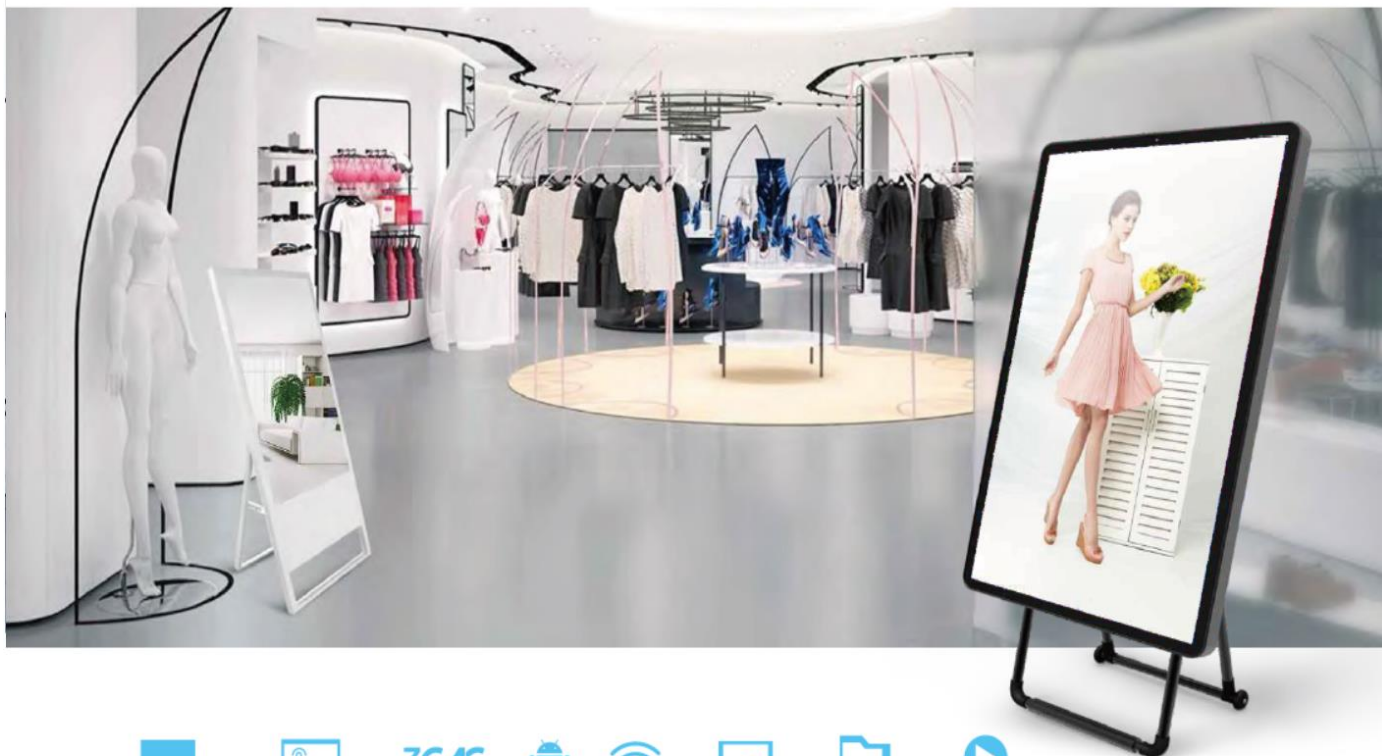


LCD Size		43"	49"
LCD Panel	Aspect Ratio	16:9	
	Response Time	5.5ms	
	Resolution	1920X1080	
	Contrast Ratio	1200:1	
	Brightness	380 cd/m ² (Typ)	
	Display Color (Max)	16.7M	
	Viewing Angle(U/D,L/R)	178° (H) / 178° (V)	
Technical Parameter	OS	Windows or Android	
	CPU	Optional according to the system	
	Stereo Speaker	2x10W	
	Network	LAN(RJ45) / WIFI / Bluetooth	
	Optional function	3G/4G (optional) / VGA (optional) /HDMI (optional)	
Touch Screen	Type	Capacitive multi-touch	
	Touch point	10 point multi-touch	
	Response time	Dual touch : first click:8ms,continuous:8ms	
		Single touch : first click: 8ms,cintinuuous:3ms	
	cursor blink speed	Single: highest 300 dot /s, dual touch:125 dots/s	
Other Function	Built-in Scanner	Support both QR Code and Bar code	
	Built-in Camera	500MP (Typ)	
	Built-in Printer	Out interface width 80mm (Typ)	
	Built-in Card Reader	NFC Cards	

INTERACTIVE TOUCH SCREEN ALL-IN-ONE MONITOR



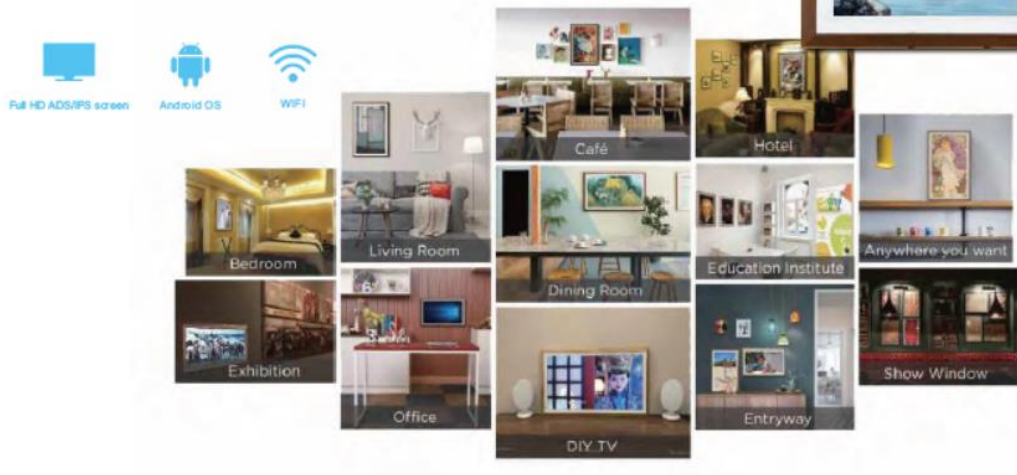
LCD Size		55"	65"	75"	86"	98"
LCD Panel	Aspect Ratio	16:9				
	Response Time	5.5ms				
	Resolution	3840x2160				
	Contrast Ratio	4000:1				
	Brightness	380 cd/m ² (Typ)				
	Display Color (Max)	16.7M				
	Viewing Angle(U/D,L/R)	178° (H) / 178° (V)				
	Audio Output Power	2x15W				
Spec.	System Version	Android or Android/Windows dual system for optional				
	2.4GWIFI	Wifi*1				
	5GWIFI	Wifi*2+Bluetooth*1				
	Shape	Floor stand/Wall mounted for optional				
Touch Screen	Touch Type	Multiple Infrared scanning technology				
	Touch point	10 point touch · 20 point				
	Touch Screen Sensor Mode	Finger, writing pen, hand with gloves or other non-transparent touch sensitive medium				
	Response time	Dual touch : first click:8ms,continuous:8ms Single touch : first click: 8ms,cintinuuous:3ms				
	cursor blink speed	Single: highest 300 dot /s, dual touch:125 dots/s				
Software	Education or meeting software, Sharing Screen by wireless software					
Other	Built-in Camera for optional					



LCD Size		32"	43"
LCD Panel	Aspect Ratio	16:9	
	Response Time	5.5ms	
	Resolution	1920X1080	
	Contrast Ratio	1200:1	
	Brightness	380 cd/m ² (Typ)	
	Display Color (Max)	16.7M	
	Viewing Angle(U/D,L/R)	178° (H) / 178° (V)	
Technical Parameter	OS	Windows or Android	
	CPU	Optional according to the system	
	GPU	Optional according to the system	
	RAM	Optional according to the system	
	ROM	8G(16G/32G/64G option) for Android	
	Hard Disk	500G(Optional: SSD)	
	Stereo Speaker	2x10W	
	Network	LAN(RJ45) / WIFI / Bluetooth	
Optional function		3G/4G (optional) / VGA (optional) /HDMI (optional)	

SMART DIGITAL PHOTO FRAME

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LCD Size		32"
Specification	Display Mode	ADS/IPS
	Resolution	1920*1080
	BLU Type	E-LED
	Brightness[nit]	350(Typ)
	View Angle(U/D/L/R)	89/89/89/89
	Contrast Ratio	700:1
	Operating System	Android OS
	Power Consumption	35W
	Passive Standby Power	0.5W
Power Supply		100-240V~50/60Hz 1.5A

HIGHLIGHT OUTDOOR DIGITAL SIGNAGE

MOLLES



- 24/7 Usage
- Sunlight Readable
- LED Backlight Technology
- Remote Control
- High Definition Display
- Eco-Friendly Power Timer
- Temperature Control
- Commercial Grade
- Plug and Play Media Player

LCD Size		43"	55"
LCD Panel	Aspect Ratio	16:9	
	Response Time	6.0ms	
	Resolution	1920X1080	
	Contrast Ratio	5000:1	
	2 Brightness (cd/m)	4000cd/m ²	
	Display Color (Max)	16.7M	
	Viewing Angle(U/D,L/R)	178° (H) / 178° (V)	
Technical Parameter	OS	Android	
	CPU	Quad core	
	RAM	2G(4G/8G/16G option)	
	ROM	8G(16G/32G/64G option)	
	Stero Speaker	2x15W,10	
	Network	LAN(RJ45) / WIFI / Bluetooth	
	Optional function	3G/4G (optional) / VGA (optional) / HDMI (optional)	
Features	IP Grade	IP56 Dust & Waterproof	
	Operation	24/7 Non-stop	
	Casing design	Heat dissipation : Customized cooling fin with energy-saved fan cooling system : Material : Tempered Glass Interface Super Slim Metal Casing	



LCD Size		46"	49"	55"
LCD Panel	Aspect Ratio	16:9		
	Pixel pitch	0.53025(H) x 0.53025(W)		
	Response time	8ms		
	Resolution	1920x1080		
	Contrast Ratio	1200:1		
	Brightness	500cd/m ² & 700cd/m ²		
	Display Area	1018.08 (H) x 572.67(V)		
	Color Depth	16.7M		
	Viewing Angle(U/D,L/R)	178° (H) / 178° (V)		
	Bezel	0.99mm,3.5mm,5.5mm		
Input&output	VGA	X1		
	DVI	X1		
	HDMI	X1		
	CVBS	X2		
	RJ45 (RS232 in & out)	X1		
	USB	X1		
Others	Power input	AC Input 100~240V(+/-10%)/50-60Hz		
	Standby Consumption	220W/145W/1W		



LCD Size		21.5"	32"	43"	49"	55"	65"	75"	86"
LCD Panel	Aspect Ratio	16:9							
	LCD Module	TFT-LCD							
	Max Resolution	1366*768							
	Display color	16.7M							
	Pixel Pitch	0.51075(H)*0.51075(V)							
	Brightness	380cd/m ²							
	Contrast Ratio	1200:1							
Technical Parameter	Scan Frequency	50Hz 、 60Hz 、 70Hz							
	Composite video Input	5*BNC(BNC*5) input							
	Composite video Output	2*BNC(BNC*2)input							
	Y 、 Pb 、 Pr/Y 、 Cb 、 Cr/Input	1*BNC(BNC*3)input							
	HDMI	1*HDMI input							
	D-15 RGB input	1*D-SUB VGA input							
	DVI	1*DVI							
	Video	4*RCA input							
	Colored System	PAL/NTSC							
	Compatible HDTV Inputs	480P 、 576P 、 720P 、 1080P							
	3D Combfilter	Yes							
	Noise Reduction	Yes							
OSD Language	Multi-Language Supported								
Features	Cooling System	Dual-fans system							
	Housing material	Metal							



With the right price and rapid development to meet your individual demand



Application Fields:

- Retail (Shopping Malls, Store fronts etc.)
- Hospitality (Bars, Clubs, Gyms, Restaurants, Cafes, Movie theatres, KTV, Hotels, Hair & Beauty salons etc.)
- Services (Healthcare facilities, Retail banks, Museums & Attractions etc.)
- Events (Exhibition, Concerts, Sport event etc.)
- Public Transportation (Airports, Bus & Train & Metra Station, Travel agencies etc.)
- Communications (Meeting rooms, Showrooms, Lobbies, Training, Performance etc.)
- Security (Command and control centers, Police station etc.)
- Education (Colleges and Universities etc.)
- Other Public Spaces (High rise Elevators, Buses and Metra, Train etc.)

CE | FC | RoHS

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