



Smart Display Solution

0101 Reliable • Excellent • Smart

- ***Outdoor & Transportation Solution***
- ***Retail & Industrial Control Solution***
- ***Medical Care Solution***
- ***Professional Creation Solution***

Champ Agility , Vision Infinity

About Champ Vision Display Inc.

CHAMPVISION, founded in 2017, dedicating to achieve the target on one-stop service and integrating all the display solutions. With the strong background of Coretronic skill in display components and backlight module design; manufacturing **CHAMPVISION** focus on innovative research and technologies in the fields of industrial, medical and commercial display as we are the best solution providers on smart display.

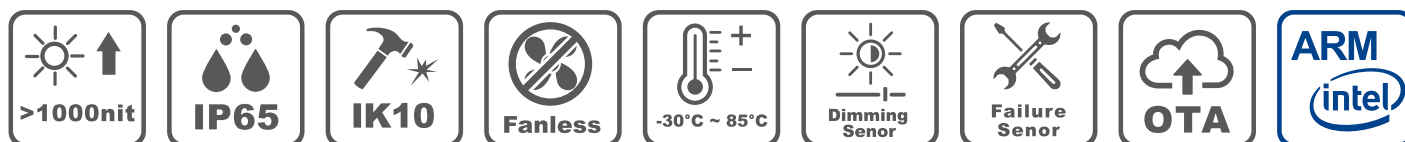
Commercial Digital Signage Display

- EV Charging
- Railway
- RLCD / EPD Solar Display
- Professional Display
- Fitness
- IoT Mirror
- Ultra Slim Display
- Signage

Industrial/ Medical Display

- Marine
- Kiosk / Self-Ordering AIO / POS
- ATM / Touch Screen
- Medical

Reliable Quality with Experienced Product



Our strengths

Vertical integration to meet customer needs



Inquire
Need



Integration
Solution



Value-add
Product



Customer
Service



THE CONTENTS :

01

Outdoor & Transportation Solution

| | |
|--|-----|
| ■ EV Charging (High Performance) Display | P04 |
| ■ ESD Solar Display | P06 |
| ■ High Brightness Outdoor Display | P08 |
| ■ Railway Stretch Display | P10 |
| ■ RLCD Display | P12 |

02

Retail & Industrial Control Solution

| | |
|---------------------------------------|-----|
| ■ Interactive Touch Display Solution | P14 |
| ■ All-In-One Fitness Display | P16 |
| ■ All-In-One Retail Terminal Solution | P18 |
| ■ Ultra Slim Dual Display | P20 |
| ■ Mirror Display | P22 |
| ■ High Brightness Industrial Display | P24 |

03

Medical Care Solution

| | |
|------------------------------------|-----|
| ■ Slim Medical Touch Display / AIO | P26 |
|------------------------------------|-----|

04

Professional Creation Solution

| | |
|--|-----|
| ■ Professional Display with Color Sensor | P28 |
|--|-----|



EV CHARGING (HIGH PERFORMANCE) DISPLAY



EV charger is currently necessary for drivers aiming to reduce their carbon footprint and also commonly seen wherever at parking lots, apartment buildings, or charging stations. With our displays, car users can easily access real-time information and efficiently plan their charging schedules. Companies benefit from data collection and optimized power usage, creating potential business opportunities. Embrace the power of sustainable driving and environmental responsibility with our innovative EV charger displays. At **CHAMPVISION**, we offer monitor and all in one display, contributing to a greener future.

****Application: Public EV Charging Stations, Parking Lots, Commercial Buildings**

Key Features

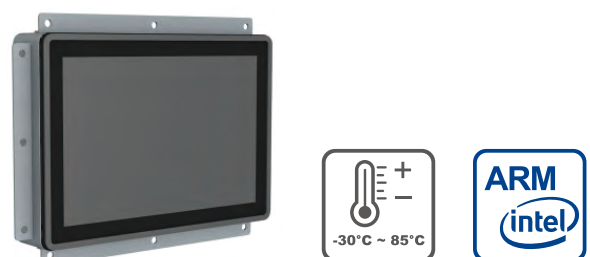
Outdoor Easy-to-Assemble (Modular Design)



Ruggedized Utilities



System Support



Preliminary Specification

| EV CHARGING DISPLAY | | |
|------------------------------|-----------------------------|--|
| Panel | Size | 5"/7"/10.1"/15.6"/21.5" (includes interior/exterior open frame) |
| | Display Resolution (px.) | 1024 x 600 1280 x 800 1920 x 1080 |
| | Brightness (typ.) | 1000 nits |
| | Touch | 10-point PCAP touch |
| AIO System (Optional) | CPU Support | Cortex A53 x4 @2GHz MPU Mali-G52@ 800MHz GPU |
| | Memory | 2GB/4GB |
| | BT/Wi-Fi | Wi-Fi 5G/2.4G ; BT5.1 |
| | | LAN 100M ; RS232 |
| | Power Supply | 12V DC IN |
| | Audio | 3W x 2 |
| | O.S. Support | Android 10 |
| | Storage | 32G |
| | I/O Port | RJ45 x 1 USB x 2 RS232 x 1 |
| I/O Connectors(Pure Display) | | HDMI input Touch USB DC JACK |
| Dimension | Weight (KG) | 1.5 / 2 / 2.5 / 7.5 (TBD) |
| | Physical (W/H/D) | TBD |
| Accessory | Standard Package (Optional) | Keyboard, Stand, Adapter |
| Environment | Operating Temperature | -20°C ~ + 60°C |
| | Storage Temperature | -30°C ~ + 80°C |
| | Operating Humidity | 20% ~ 80% |



EPD SOLAR DISPLAY

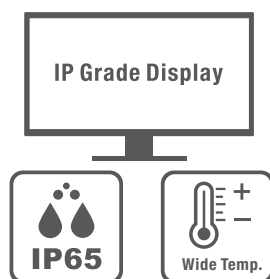


Electronic Paper Display (EPD) represents an innovative and environmental-friendly outdoor solution. By combining the latest EPD technology with solar power integration, it finds application in a variety of outdoor areas. For example, as a bus stop signage, it enables clear and readable content for advertising and displaying timetables even in direct sunlight. The incorporation of a top solar panel and a low power consumption design allows it to remain continuously illuminated for 15-17 days without sunlight. In addition, customizable interactive functions engage visitors with valuable messages. Durable, efficient, and sustainable — **CHAMPVISION** redefines outdoor messaging.

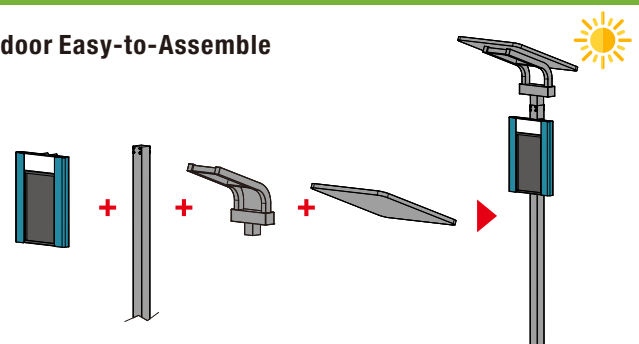
****Application: Outdoor signage, Bus stops, Interactive Information Boards**

Key Features

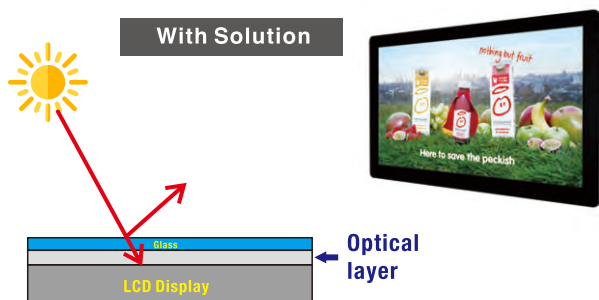
Water and Dust Resistant



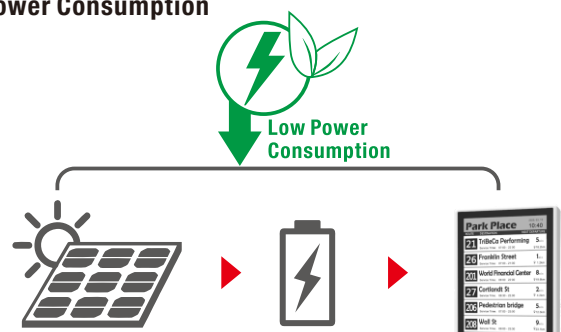
Outdoor Easy-to-Assemble



Sunlight Readability



Low Power Consumption



Preliminary Specification

| EPD SOLAR DISPLAY | | | |
|---------------------------|---------------------------|--|-------------------|
| EPD (Paper Display) | Size | 13.3" | 31.2" |
| | Contrast Ration (typ.) | 12:1 | |
| | Display Resolution (px.) | 1600 x 1200 | 2560 x 1440 |
| | Active Area | 270.4 x 202.8 mm | 691.2 x 388.8 mm |
| | Color | 16-level gray scale | |
| | Dimension | 298.2 x 231.7 x 34 mm | 780 x 477 x 53 mm |
| | Power Adapter | DC+5V/3A | DC+12V/5A |
| I/O Connectors (Optional) | | Power Wire (Waterproof Connector) RJ45 (Waterproof Connector) | |
| System | OS | Linux/Android | |
| | CPU | Quad Core 1.2GHz Broadcom BCM2837 64bit | |
| | RAM | 1G | |
| | Storage | 16G | |
| | Network (Optional) | 1 x 10/100 /1 Gb Ethernet LAN 4G (5G) | |
| Solar Panel | Max. Peak Power | 83W | 100W |
| | Max. Peak Voltage/Current | 18V/4.63A | 18V/6.1A |
| | Dimensions | 772 x 687 x 38 mm | 996 x 687 x 38 mm |
| | Conversion Efficiency | 22% | |
| Battery | Quantity | 84 | 144 |
| Environment | | 0°C ~ +50°C | |
| Degree of Protection | | IP65 | |





HIGH-BRIGHTNESS OUTDOOR DISPLAY

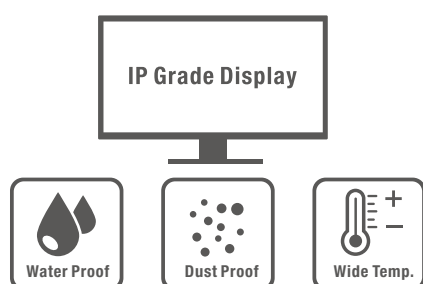


Outdoor Display provides reliable and stable operation in any environment; featuring with high brightness, sunlight readability technology, and cooling system design. We have open frame module that can be customized with multi-touch function and other specification to satisfy various requirements. **CHAMPVISION** outdoor display series ensure durability and stability operate 24/7 in wide temperatures.

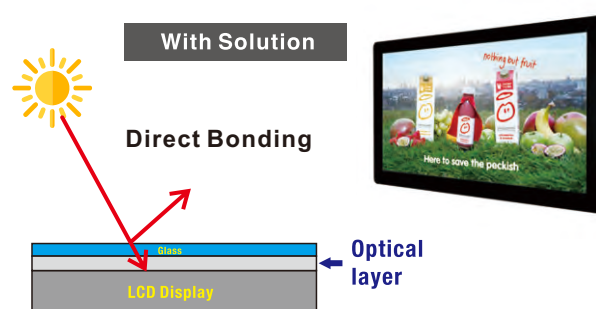
****Application: Street, Public area, Drive-thru, Bus station**

Key Features

Water and Dust Resistant



Sunlight Readability



Wide Color Range

With sophisticated optical design experience, we are able to increase the color saturation up to 99% and to enrich the vivid visual experience.



High Brightness

Through the optical and thermal solution, not only increasing the brightness for display, but also enhancing the reliability. Furthermore, the durability is also enhanced



Preliminary Specification (Customized Product: High Brightness Outdoor Display)

| Model | | | | |
|--------------------|-----------------------------|--|---|---|
| Panel | Size | 15" | 55" | 75" |
| | Brightness (typ.) | 2000 nits | open frame: 2800 nits standard: 2500 nits | open frame: 2800 nits standard: 2500 nits |
| | Contrast Ratio (typ.) | 700 : 1 | 5000:1 | 5000:1 |
| | Display Resolution | 1024 (H) x 768 (V) pixels | 1920 (H) x 1080 (V) pixels | 1920 (H) x 1080 (V) pixels |
| | Active Display Area | 304.1 (H) x 228.1 (V) mm | 1209.6 (H) x 680.4 (V) mm | 1650 (H) x 928 (V) mm |
| | Viewing Angle (typ.) | 160°/140° | 178°/178° | 178°/178° |
| | Backlight Life (typ.) | 50,000 hrs | 50,000 hrs | 50,000 hrs |
| | Color Gamut | 72% NTSC | 72% NTSC | 72% NTSC |
| | Panel Bits | 8 bits | 8 bits | 8 bits |
| | Bonding | Optical bonding (VIA Silicon base) | Air bond | Air bond |
| | Touch Screen | Optional | Optional | Optional |
| I/O Connectors | | MIL-DTL-connector serials HDMI ,Rj45, USB, Power Jet | HDMI, RS232 | HDMI, RS232 |
| Cover Glass | Function | 1.8t with AG coating | 3t with IR film (Optional) | 5t with IR film (Optional) |
| Power | Voltage | 100-240V, 50/ 60 Hz | 100-240 V, 50/60 Hz | 100-240 V, 50/60 Hz |
| | Power Consumption (typ.) | 57W | 473 W | 950 W |
| Dimension | Dimension (W/H/D) | 279.5 x 352.5 x 48.6mm | open frame: 1269.6 x 740.4 x 30.4mm (LCM w/o T-con) standard: 1329.6 x 800.4 x 89.1mm | open frame: 1682.24 x 960.26 x 32.4mm (LCM w/o T-con) standard: 1790.24 x 1068.26 x 149.8mm |
| | Bezel Width (T/B/L/R) | 20.35/20.35/22/22 mm | open frame: 15/15/15/15 mm standard: 60/60/60/60 mm | open frame: 16/16/16/16 mm standard: 70/70/70/70 mm |
| Environment | Operation Temp | 0 °C~ 50 °C | 0 °C~ 50 °C | 0 °C~ 50 °C |
| | Storage Temp | -20 °C ~ 50 °C | -20 °C ~ 50 °C | -20 °C ~ 50 °C |
| | Operating Humidity | 20% ~ 80% (No condensation) | | |
| | Storage Humidity | 20% ~ 80% (No condensation) | | |
| Ingress Protection | | IP68 | IP55 | IP68 |



RAILWAY STRETCH DISPLAY

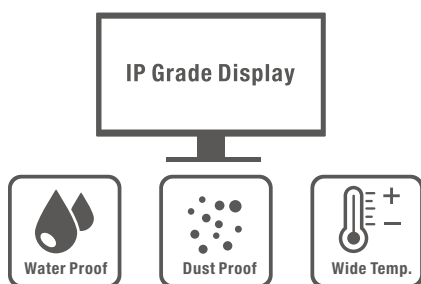


Railway Stretch Display is important for every station. It guides passengers through the station, designates boarding locations, and announces arrivals and departures. The benefits also enhance within the train, showing real-time locations, upcoming stops, and other crucial route details. It not only raises the quality of public transportation but also leaves a lasting first impression of the city. Unlock the potential of well-informed travel with **CHAMPVISION**.

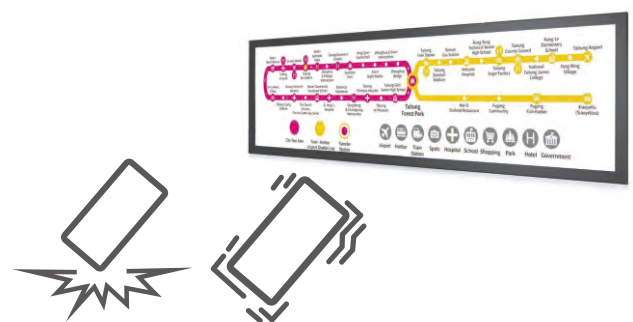
****Application: Trains, Train Stations, Platform, Station Lobby**

Key Features

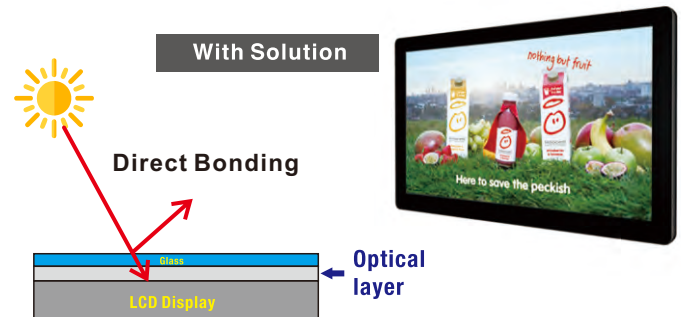
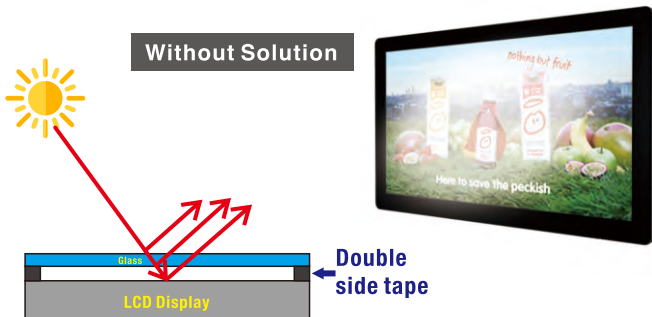
Water and Dust Resistant



Anti-Shock and Vibration



Sunlight Readability



| RAILWAY STRETCH DISPLAY | | | |
|---------------------------|-----------------------------|--|---|
| Panel | Size | 37" | 37" (AIO) |
| | Brightness (typ.) | 1000 nits | |
| | Contrast Ration (typ.) | 8000:1 | |
| | Display Resolution (px.) | 1920 (H) x 540 (V) | |
| | Active Area | 904.32 (H) x 255.74 (V) mm | |
| | Viewing Angle (typ.) | L/R 89°/89° | |
| | | U/D 89°/89° | |
| | Life Time (hrs.) | 50,000 | |
| | Color | 16.7M | |
| I/O Connectors (Optional) | | HDMI x 1 | HDMI x 1 USB x 2 LAN x 2 (M12 Connector) |
| Power | Voltage | Support 24/36/48/72/96/110 VDC Input with M12 connector | |
| Dimension | Weight (KG) | 10.1 | |
| | Physical (W/H/D) | 961 x 290.9 x 87.76 mm | |
| Accessory | Standard Package (Optional) | 2M M12 Cable for LAN/USB/HDMI/POWER | |
| Environment | Operating Temperature | -25°C ~ +55°C | |
| | Storage Temperature | -40°C ~ +80°C | |
| | Operating Humidity | 5% ~ 90% (No Condensation) | |
| | Storage Humidity | | |
| Main System | Processor | - | Intel Celeron Core i3/i5/i7 |
| | Chipset | - | Intel Skylake-U integrated |
| Certification | Railway Display | EN 50155 EN 45545 EN 60529 (IP65) EN 62368-1 LVD FCC Part15B | IP65 |



RLCD DISPLAY



Reflection LCD display (RLCD) - a revolutionary leap in technology, combining unrivaled visibility and energy efficiency. Perfect for both outdoor signage and indoor displays, RLCD thrives in any lighting, ensuring crystal-clear content even under the sun's glare. It offers high contrast, easy readability, blue light filter and minimal power consumption for e-readers, digital signage, and retail price tags. Fast response time and refresh rate support dynamic information as well. Its durability and adaptability make it the ultimate choice across industries. Illuminate your world with RLCD - where brilliance meets efficiency.

****Application: Outdoor signage, Bus stops, Interactive Information Boards**

Key Features

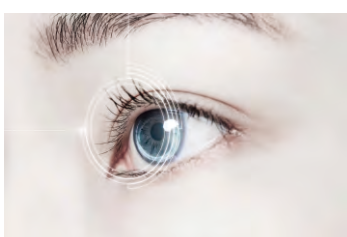
Green Paper Display



Wide Temperature Range/ UV Resistance



Eye Comfort Mode



Eye Care
Low Blue Light



Fast Response Time and Refresh Rate



Preliminary Specification

| RLCD Model | | | | |
|---------------------------|--------------------------|-----------------------------------|--|--------------------|
| RLCD (Paper Display) | Size | 10.1" | 15.6" | 21.5" |
| | Touch (Optional) | PCAP | | |
| | Brightness (typ.) | N/A | 130 nits (Light Source : On) | |
| | Contrast Ration (typ.) | 19:1 | 15:1 | |
| | Display Resolution (px.) | 1600 x 1200 | 1920 x 1080 | |
| | Active Area | 152.5 x 203.3mm | 344.16 x 193.59 mm | 476.64 x 268.11 mm |
| | Viewing Angle (typ.) | L/R 65°/65° | | |
| | | U/D 65°/65° | | |
| | Life Time (hrs.) | 15,000 | 30,000 | |
| | Color | 16.7 M | 16.7M 8 bit R.G.B | |
| | Dimension | 184.4 x 221.5 x 4.7 mm | TBD | TBD |
| I/O Connectors (Optional) | | USB-C (charging) | USB/RJ45/SD slot/Audio | |
| System | OS | Android 13 | Android 10 | |
| | CPU | Quad-core Cortex-A55 up to 1.8GHz | Dual-core Cortex-A72 up to 1.8GHz Quad-core Cortex-A53 up to 1.4GHz | |
| | RAM | 4G | | |
| | Storage | 64G | 16G | |
| | Wi-Fi/BT | Wi-Fi 5G/2.4G ; BT5.0 | | |
| Environment | | 0°C ~ +50°C | -20°C ~ +70°C | |
| Audio | Speaker | 2W x 2 | | |
| Power | Voltage | 100V ~ 240V AC | | |
| | Power Consumption (typ.) | 5V/2A ; 10W | 12V/3.3A ; 40W | |



INTERACTIVE TOUCH DISPLAY SOLUTION

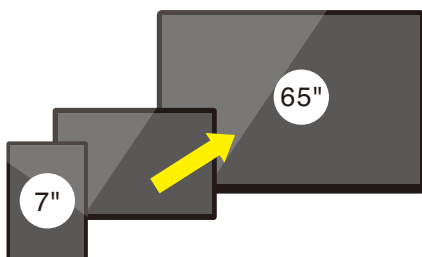


CHAMPVISION monitor solution has various screen size ranging from 7" up to 65". With years of experience in display and integrating touch solutions such as Resistive/ Capacitive/ IR/ SAW, we can deliver various standard products for any industrial application. **CHAMPVISION** is capable of providing customer a tailor-made display solution not only to achieve high color saturation and high resolution with a promising reliability but also an interactive interface to a wide range of industrial application.

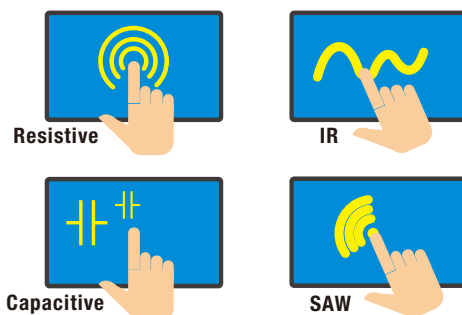
Application : ATM, Retail, Kiosk, Public digital signage, Industrial use, Elevator, Gaming

Key Features

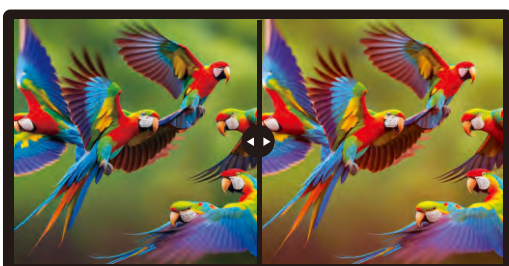
Options in Size (7" ~ 65")



Experienced Touch Solution



High Color Saturation



High Resolution up to 4K



Preliminary Specification

| Model | | PV15T710 | PV17X710 | PV32X710 |
|---------------------------|-----------------------------|---|----------------------------|-----------------------------------|
| Panel | Size | 15" | 17" | 32" |
| | Touch (Optional) | PCAP/ Resistive/ SAW/ IR | | |
| | Brightness (typ.) | 400 nits | 250 nits | 350 nits |
| | Contract Ration (typ.) | 700:1 | 1000:1 | 3000:1 |
| | Display Resolution | 1024 (H) x 768 (V) pixels | 1280 (H) x 1024 (V) pixels | 1920 (H) x 1080 (V) pixels |
| | Active area | 304.1 (H) x 228.1 (V) mm | 338.9 (H) x 271.34 (V) mm | 698.4(H) x 392.85 (V) mm |
| | Viewing Angle (typ.) | L/R 80/80° | L/R 85/85° | L/R 89/89° |
| | | U/D 70/70° | U/D 80/80° | U/D 89/89° |
| | Life Time (hrs.) | 50K | 50K | 50K |
| | Color Gamut | 72% NTSC | 72% NTSC | 72% NTSC |
| | Panel Bits | 6 bits FRC | 8 bits | 8 bits |
| I/O Connectors (Optional) | | VGA/DVI/HDMI/DP/Type C...,etc. USB/RS232 interface for touch | | |
| Audio | Speaker | 1W x2 @ 4Ω | 0.5W x2 @ 4Ω | 5W x2 @ 8Ω |
| Power | Voltage | 100-240V AC | 100-240V AC | Internal 110/220 VAC Power Supply |
| | Power Consumption (typ.) | 20W | 26W | 165W |
| Dimension | Weight(KG) | 4.5 | 6.6 | 12.7 |
| | Physical (W/H/D) | 353.91 x 328.73 x 134.62 mm | 421.33 x 356.92 x 261.35mm | 788 x 482 x 64.5 mm |
| Accessory | Standard Package (Optional) | Stand, Adapter, Cables and Manual...,etc. | | |
| Environment | Operation Temp | 0~ + 40°C | | |
| | Storage Temp | -10~ + 60°C | -10~ + 60°C | -10~ + 60°C |
| | Operating Humidity | 5 ~ 90% (no condensation) | | |
| | Storage Humidity | 5 ~ 90% (no condensation) | | |





All-In-One FITNESS DISPLAY



The fitness display offers real-time workout information for the users. Track metrics like heart rate, distance, speed, and calories burned to monitor progress and optimize workouts for reaching fitness goals with Bluetooth serial device. User-friendly and customizable, the display caters to all levels of fitness enthusiasts, providing easy control and personalized settings. Membership management system also saves time on administrative processes from beginners to athletes, the fitness display keeps you motivated and engaged, enhancing your fitness journey like never before.

****Application: Modalities, Treadmill, Elliptical, Bike, Rowing machine**

Key Features

Membership Management System



Bluetooth Serial Device



Interactive Sensor (gesture/voice/touch)



Customized Interactive Software



| All-In-One FITNESS DISPLAY | | | |
|----------------------------|-----------------------------|--|--------------------------------------|
| Panel | Size | 21.5" | 31.5" |
| | Touch (Optional) | PCAP | |
| | Brightness (typ.) | 250 nits | 350 nits |
| | Contrast Ratio (typ.) | 1000:1 | 3000:1 |
| | Display Resolution (px.) | 1920 (H) x 1080 (V) | 1920 (H) x 1080 (V) |
| | Active Area | 476 (H) x 267 (V) mm | 698 (H) x 392 (V) mm |
| | Viewing Angle (typ.) | L/R 89°/89° | |
| | | U/D 89°/89° | |
| | Life Time (hrs.) | 50,000 | |
| | Color Gamut | 72% NTSC | |
| | Color | 8 bits R.G.B | |
| Main Board | CPU | Dual-core Cortex-A72 up to 1.8GHz Quad-core Cortex-A53 up to 1.4GHz | |
| | GPU | Mali -T864 GPU | |
| | Memory | 4G | |
| | Storage | 16G | |
| | OS | Android 10 | |
| | Wi-Fi/BT | Wi-Fi 5G/2.4G ; BT5.0 | |
| I/O Connectors (Optional) | | USB/RJ45/SD slot/Audio | |
| Audio | Speaker | 2W x 2 | 2W x 2 |
| Power | Voltage | 100V ~ 240V AC | |
| | Power Consumption (typ.) | 12V/2.5A ; 30W | 12V/2.5A ; 30W |
| Dimension | Weight (KG) | < 5.5 | < 6.5 |
| | Physical (W/H/D) | 538 x 329 x 20 mm (thinnest point) | 788 x 482 x 20mm (thinnest point) |
| Accessory | Standard Package (Optional) | Stand, Adapter, Cables | |
| Environment | Operating Temperature | 0°C ~ +40°C | |
| | Storage Temperature | -10°C ~ +60°C | |



All-In-One RETAIL TERMINAL SOLUTION



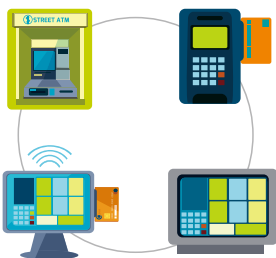
Our POS display not only consist of classic style but also functional anti-water splash case, with touch design. Optional All-in-one system integration and EMI/EMC capability, we are able to provide completed POS product to meet the flexible requirement in retail, restaurant and hotel industry. Simplify the working environment by integrating PC and display together into one unit. We support different display changing service with variety of size combination by easily swapping the size of the display which also allows the maintenance service to proceed more efficiently.

****Application : POS, Kiosk, Ticket machine, Vending machine, Information center, Self-ordering**

Key Features

Modular All-in-One POS Terminal Structure

Various IPC & Screen Combination

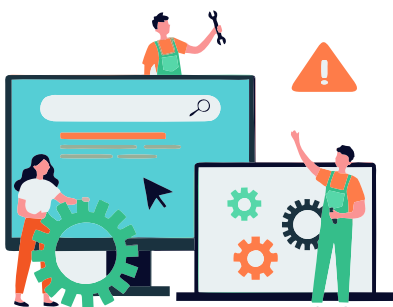


Stylish Design

Borderless
Thinner & Fanless



Convenient Maintenance

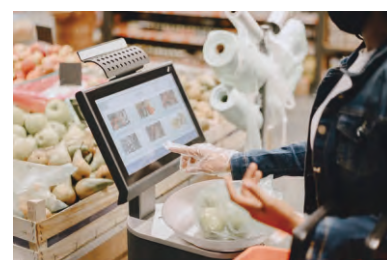


Support Variety of Peripherals



Preliminary Specification

| Model | | |
|---------------------------|-----------------------------|---|
| Panel | Size / Model | 15" (switchable display-head) |
| | Display Resolution | 1024 (H) x 768 (V) pixels |
| | Brightness (typ.) | 400 nits |
| | Touch | 10-point PCAP touch |
| System | CPU Support | a. Intel 6th Skylake-S Core i5-6500TE b. Intel 6th Celeron G-3900TE c. Intel 7th Kabylake- S Core i3-7101TE, i5-7500T d. Intel 7th Celeron G3930TE |
| | Memory | DDR4 x 2, Maximum up to 32GB |
| | BT/Wifi (Optional) | 2.4/5GHz WLAN IEEE 802.11a/b/g/n Bluetooth 4.2 BLE in M.2 2242/2260 |
| | Power Supply | External AC DC 24V/ 9.16A 220W |
| | Audio | 2W x 2 |
| | O.S. support | Windows 7 / Windows 10 |
| | Storage | a. 1 x 2.5" SATA-3 b. 2 x M.2 NVMe SSD (PCIe x 4)/ SATA-3 |
| | RAID (Optional) | Support RAID 0/1 |
| I/O Connectors (Optional) | | a. Powered USB 2.0 (24V x 1 + 12V x3) b. USB 3.1 gen1 x 4 + USB 2.0 x 2 c. RJ45 x 1 d. RJ25 x 1 e. DP x 2 |
| Dimension | Weight(KG) | 5.5 |
| | Physical (W/H/D) | 367 x 301 x 67 mm |
| Accessory | Standard Package (Optional) | MSR, Keyboard, Stand, Adapter...,etc. |
| Environment | Operating Temp. | 0°C ~ + 40°C |
| | Storage Temp. | -10°C ~ + 60°C |
| | Humidity | 5% ~ 90% |





ULTRA SLIM DUAL DISPLAY



Ultra-Slim Dual Display provides ultra-thin depth design. It enables to install in various indoor surroundings, featuring 700nits high brightness, FHD resolution, and 178° wide view angel. Ultra-Slim Dual Display series deliver superior vivid visual experience.

****Application: Retail, Transportation, Public area, Restaurant**

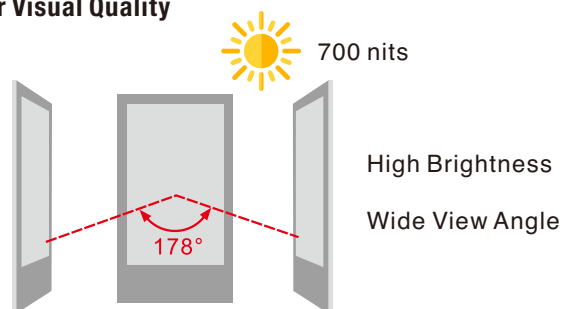
Key Features

Narrow Border and Lightweight Design



Ultra Slim depth<20mm

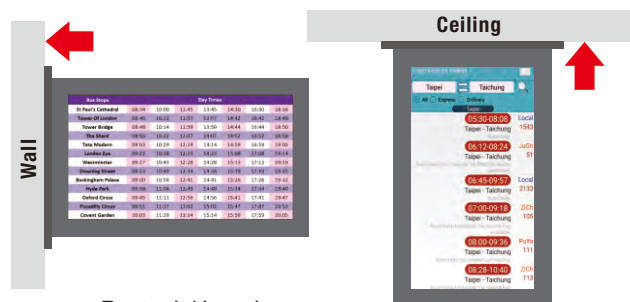
Superior Visual Quality



USB & HDMI Easy to Install Content



Variety of Display Installation



Portrait/ Landscape

Wall Mount/ Ceiling Mount/ Stand Design

Preliminary Specification (Customized Product: Ultra Slim Dual Display)

| Model | YLI40161 | YLI55162 | |
|----------------|----------------------------|---|---|
| Panel | Size | 40" | 55" |
| | Brightness (typ.) | 700 nits / 700 nits | 700 nits / 700 nits |
| | Contrast Ratio (typ.) | 5000 : 1 | 1000 : 1 |
| | Display Resolution | 1920 (H) x 1080 (V) pixels | 1920 (H) x 1080 (V) pixels |
| | Active Area | 878.112 (H) x 485.352 (V) mm | 1209.6 (H) x 680.4 (V) mm |
| | Viewing Angle (typ.) | 178°/178° | 178°/178° |
| | Life Time(typ.) | 50,000hrs | 50,000hrs |
| | Color Gamut | 72% NTSC | 72% NTSC |
| | Panel Bits | 8 bits | 8 bits |
| I/O Connectors | | HDMI x 2 USB -Playback x 2 USB for 5V2Ax22Ax2 | HDMI x 2 USB for 5V2Ax2 |
| Power | Voltage | 100-240V, 50/60 Hz | 100-240 V, 50/ 60 Hz |
| | Power Consumption (typ.)** | 165W | 200W |
| Dimension | Weight(KG) | Display: 19 Power Box: 3 | Display: 32 Power Box: 3 |
| | Physical (W/H/D) | Display: 1151.1 x 628.4 x 18 mm Power Box: 315 x 328.9 x 45 mm | Display: 1484.3 x 834.4 x 19.9 mm Power Box: 315 x 328.9 x 45 mm |
| | Bezel Width (T/B/L/R) | 50/220/70/70mm | 50/220/75/75mm |
| Accessory | Standard Package | Remote Controller x 1/ HDMI Cable x 2 / Power Cord x 1 / Power Box x1/ DC Wire x 1 User Manual x 1 | |
| Environment | Operation Temp | 0° C ~ 40°C | 0° C ~ 40°C |
| | Storage Temp | -10° C ~ 50°C | -10° C ~ 50°C |
| | Operating Humidity | 20 ~ 80% (no condensation) | 20 ~ 80% (no condensation) |
| | Storage Humidity | 20 ~ 80% (no condensation) | 20 ~ 80% (no condensation) |
| Certification | | CE, PSE, BSMI, CCC, CB | |



MIRROR DISPLAY



SMART HOME MIRROR DISPLAY

Mirror Display can use in smart home echo system device. Voice assistance and touch control interfaces are able to all smart devices in house and manage daily information such as whether, news, traffic and audio by streaming from internet.

****Application : Home control, Security System**

Key Features

**Stylish ID and friendly interface
make your life more convenient with IoT**



MIRROR DISPLAY FOR SMART COMMERCIAL

Mirror Display provides high brightness and wide color gamut picture quality. By embedding sensor, advertisement display mode will switch to traditional mirror mode when customers get close to the display. With built-in WiFi and Bluetooth for the real time service, the display can connect to the counter PC and getting the customers' information simultaneously to manage the data via cloud computing.

****Application : Retail, Department store, Shopping mall, Gym, Public space, Salon, Elevator**

Key Features

High brightness and WCG

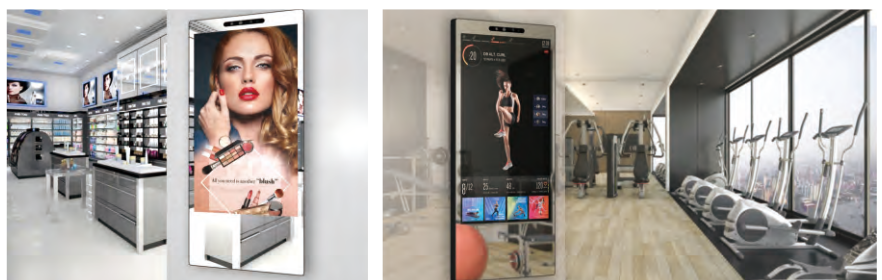
High Brightness: 600 nits
Wide Color Gamut: 85% NTSC

Real time service via cloud computing

Display and mirror switch by sensor

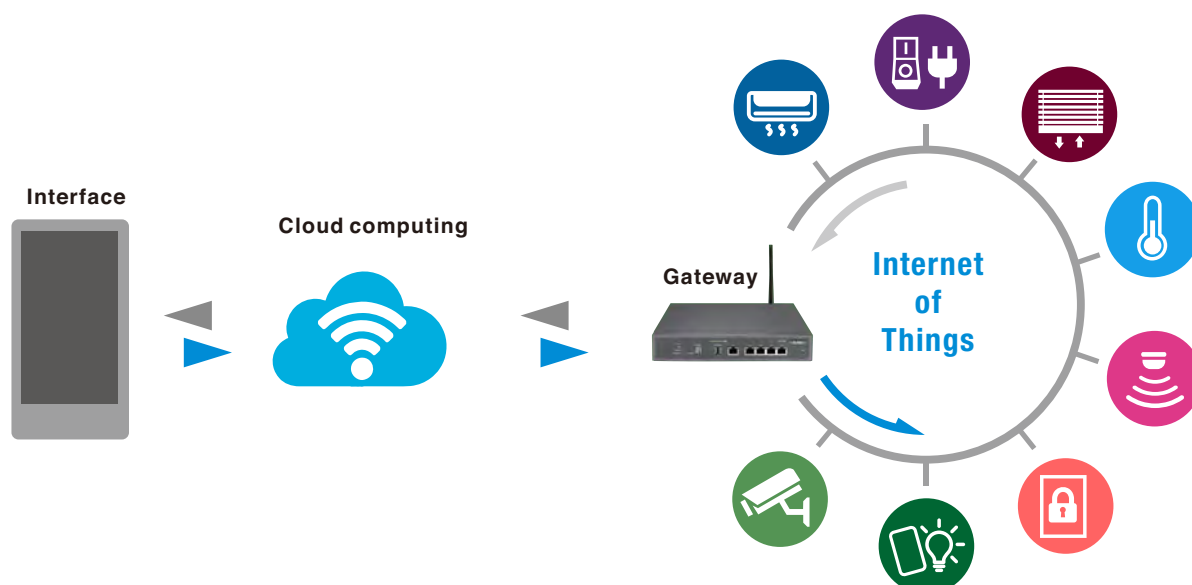
Visual clarity as standard mirror

Combine unique arrangement



Preliminary Specification (Standard Product: Mirror Display)

| Model | | Smart Home Display | Smart Commercial |
|----------------|----------------------------|--|------------------|
| Panel | Size | 23.8" / 42" / 55" | |
| | Display Resolution | 1920 (H) x 1080 (V) pixels | |
| | Brightness (typ.) | 250 nits / 600 nits | |
| | Color Gamut | 72% NTSC | |
| System | Internal Storage | EMMC 8G/ 16G/ 32G | |
| | Sensor (Optional) | CCD: 1080P/ 30FPS | |
| | Touch (Optional) | PCAP / IR touch | |
| | Speaker (Optional) | 3W x 2 | |
| | Communication | Wi-Fi / Bluetooth 4.0 | |
| | O.S. Support | Android 6.0 | |
| | Voice assistant (Optional) | 2Mic, AVS / GVA | NA |
| I/O Connectors | Input | HDMI(Optional) / USB | |
| Power | Voltage | 50/60 Hz, AC 110-240 V | |
| Accessory | Standard Package | Quick Setup Guide/ Regulatory Guide/ Warranty Card/ Power Cord | |
| | Optional | Ground Stand/ Table Top Stand/ Wall Mount | |
| Environment | Operating Temp. | 0°C ~ + 40°C | |
| | Storage Temp. | -10°C ~ + 50°C | |
| | Operating Humidity | 20% ~80% (no condensation) | |
| | Storage Humidity | 20% ~80% (no condensation) | |





High Brightness Industrial Display



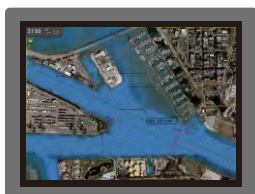
In response to the requirement of module the sunlight readable industrial displays, we strengthen the optical and thermal design of back-light. It not only increase the brightness of the display, but also enhance the reliability and extended the lifetime product. ATM reacquire 24/7 hours stable operation service. Champ Vision Display is able to provide a display solution with low power consumption and long life time. Also, by providing an optional high brightness, anti-glare, privacy function and rugged structure, we are providing products to apply under wide temperature and various of environment.

****Application: ATM, Marine, Industrial place, Oil pumping, Outdoor payment terminal, Public information access, Transportation, Military**

Key Features

High Brightness Solution

Customized back-light

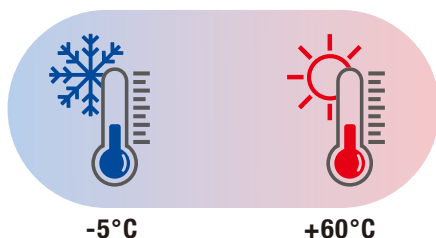


Wide Dimming Range

The wide dimming range allows controllers to adjust to the appropriate brightness level for viewing during the day or at night



Wide Temperature Range



Rugged Display Solution

Enhance the water/dust proof and the anti-rust/ shock/ vibration



Preliminary Specification

| Model | | OP07X610 | OP15X710 | OP19X710 |
|---------------------------|--------------------------|------------------------------------|------------------------------|-------------------------------|
| Panel | Size | 7" | 15" | 19" |
| | Brightness (typ.) | 1200 nits | 1000~3000 nits | 1200 nits |
| | Contrast Ratio (typ.) | 600:1 | 700:1 | 1500:1 |
| | Display Resolution | 800 (H) x 480 (V) pixels | 1024 (H) x 768 (V) pixels | 1280 (H) x 1024 (V) pixels |
| | Active Area | 152.4 (H) x 91.4 (V) mm | 304.1 (H) x 228.1 (V) mm | 376.3 (H) x 301.1 (V) mm |
| | Viewing Angle (typ.) | L/R 70/70° | L/R 80/80° | L/R 89/89° |
| | | U/D 60/60° | U/D 70/70° | U/D 89/89° |
| | Life Time (hrs.) | 50K | 50K | 50K |
| | Color Gamut | 72% NTSC | 72% NTSC | 72% NTSC |
| | Panel Bits | 6 bits FRC | 6 bits FRC | 8 bits |
| | Touch (Optional) | PCAP/ Resistive/ SAW/ IR | | |
| I/O Connectors (Optional) | | VGA/ DVI/ HDMI/ DP/ Type C...,etc. | | |
| Power | Voltage | 100-240V, 50/ 60 Hz | 100-240V, 50/ 60 Hz | 100-240 V, 50/ 60 Hz |
| | Power Consumption (typ.) | 8.6 W | 25 W | 55 W |
| Dimension | Weight(KG) | 0.75 | 2.3 | 3.3 |
| | Physical (W/H/D) | 177.6 x 120.6 x 53.4 mm | 334.2 x 256 x 40 mm | 407 x 332.5 x 40 mm |
| Accessory | Standard Package | Adapter, Cables and Manual...,etc. | | |
| Environment | Operation Temp | 0° C ~ 60°C | -5° C ~ 60°C | -5° C ~ 60°C |
| | Storage Temp | -10° C ~ 60°C | -10° C ~ 60°C | -10° C ~ 60°C |
| | Operating Humidity | 5 ~ 90% (no condensation) | 5 ~ 90% (no condensation) | 5 ~ 90% (no condensation) |
| | Storage Humidity | 5 ~ 90% (no condensation) | 5 ~ 90% (no condensation) | 5 ~ 90% (no condensation) |





Medical Touch Display / AIO

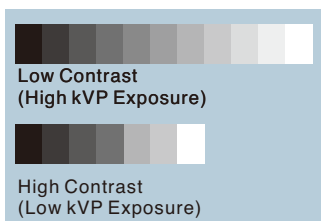


Our medical displays provide DICOM and Gamma calibrated grayscale representation, address high optical performance and quality to prevent such as flicker and mura to get accurate medical images. It is for sure that our medical displays work stable and compatible with various displays or systems in hospital. We are not only building a display monitor, but to think no limits for our customers and the patients.

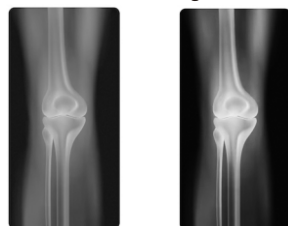
****Application: Ultrasound, Dental, Surgical, Diagnostic, Patient, CT/MR, X-ray**

Key Features

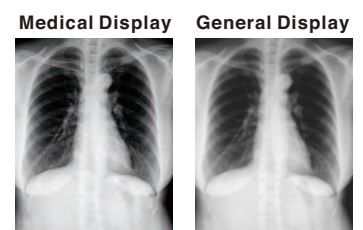
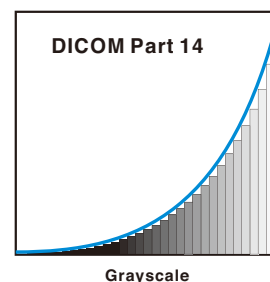
High Contrast



Low Contrast High Contrast



DICOM Part 14 calibration



Flicker & Mura-free



Wide viewing angle



Fanless



Preliminary Specification

| Model | | | | |
|-----------------------|-----------------------------|---|--|--|
| Panel | Size | 10.1" | 15.6" | 21.5" |
| | Brightness (typ.) | 320 cd/m2 | 425 cd/m2 | 350 cd/m2 |
| | Contrast Ratio (typ.) | 800:1 | 800:1 | 1000:1 |
| | Display Resolution | 1280 x 800 | 1920 x 1080 | 1920 x 1080 |
| | Active Display Area | 216.96 (H) x 135.6 (V) | 344.16 (H) x 193.59 (V) | 476.064(H) x 267.786(V) |
| | View Angle (typ.) | L/R = 89°, U/D = 89° | L/R = 89°, U/D = 89° | L/R = 89°, U/D = 89° |
| | Backlight Life (typ.) | 30,000 hrs | 15,000 hrs | 50,000 hrs |
| | Color Gamut | 50% | 72% | 72% |
| | Panel Bits | 8 bits | 6 bits | 6 bits FRC |
| | Bonding | OCR | OCA | OCA |
| | Cover Glass/Touch | Projective capacitive multi-touch screen | Projective capacitive multi-touch screen | Optional; Support 10P multi-touch (PCAP) |
| I/O Connectors | | 1 x USB, 1 x Mini USB 1 x 1 x RJ45 with PoE Support(10/100/1000Mbps), 1 x Micro SD slot 1 x DC-in Jack 1 x Reset button | USB 2.0 Mini USB Client (Android) DC-in Ethernet | USB3.0 x2, HDMI in |
| Power | Power Input | DC 12V/2A | DC 12V/2A | DC 12V & USB Type-C |
| | Power Consumption (typ.) | <24W | <24W | <40W |
| Dimension | Outline (W/H/D) | 247 x 189 x 22 mm | 375.6 x 227 x 26.5mm | 538 x 329 x 63.2mm |
| | Weight(KG) | 1.1 | <2.5 | <5.5 |
| Environment | Operating Temp. | 10~40 °C | | 0~40°C |
| | Storage Temp. | -20 ~ +55 °C | | -20~60°C |
| | Humidity (Non-condensation) | 10 ~ 95% @ 40 | | 10~80% @ 40 °C |
| All-in-One (Optional) | | CPU: IOT RK3399 1.8GHz Memory: 4GB DDR3 Storage (eMMC): 32GB eMMC NAND Flash | CPU: IOT RK3399 1.8GHz Memory: 4GB DDR3 Storage (eMMC): 32GB eMMC NAND Flash | CPU: RK3588 Memory: 8GB RAM Storage (eMMC): 32GB RF: WLAN (802.11ax), at least 2 antennas, support for WPA3 |

Certificate (Compliance) : CE, FCC, CCC, CB, UL ITE IEC 62368 compliance with IEC 60601-1



Professional Display with Color Sensor



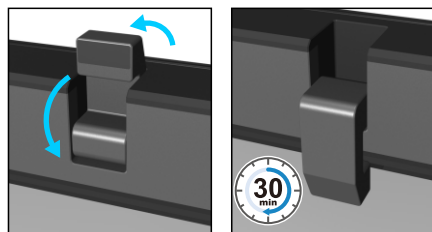
Professional Design Display for art, streaming video and games. It brings concepts to life with precision, creativity and enhancing productivity. In animation production house, it empowers animators to create stunning visuals and seamless movements, pushing storytelling boundaries. In architectural firm, it aids architects in visualizing complex structures and refining designs effortlessly. Professional Design Display is a must-have for every individual seeking to express their creativity in the most artistic and professional manner.

****Application: Graphic design, Animation, Architecture, Post-Production**

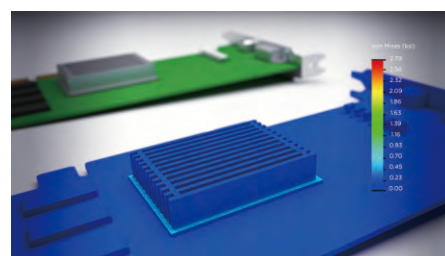
Key Features

Built-in Motorized Flip Colorimeter & Hardware Auto Calibration Software

Color Calibration



Thermal Simulation & Solutions (Fanless)



Support Multiple HDR Formats

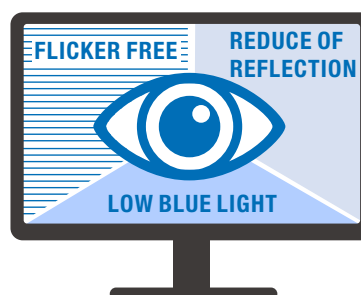


True
10bit



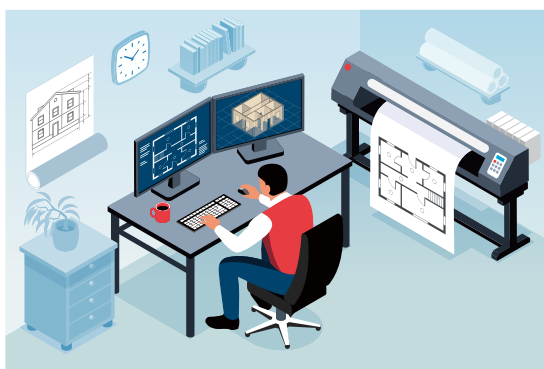
Color
Accuracy
 $\Delta E < 1$


Flicker Free & Low Blue Light (TUV)



Preliminary Specification

| PROFESSIONAL DESIGN DISPLAY | | Portable Graphics Screen | Professional Display | |
|-----------------------------|-----------------------------|--|---------------------------------|-------------|
| Panel | Size | 15.6" | 27" | 32" |
| | Touch (Optional) | PCAP | - | - |
| | Brightness (typ.) | 250 nits | 350 nits | 250 nits |
| | Contrast Ration (typ.) | 1000:1 | 1,000,000:1 | 1,000,000:1 |
| | Display Resolution (px.) | 3840 (H) x 2160 (V) | | |
| | Viewing Angle (typ.) | L/R 89°/89° | | |
| | | U/D 89°/89° | | |
| Color Gamut | 72% NTSC | Adobe RGB > 99% DCI-P3 > 99% | Adobe RGB > 99% DCI-P3 > 99% | |
| I/O Connectors (Optional) | | Mini HDMI/Mini DP/ Type C/ Micro USB/Audio | HDMI/USB Type C/USB Type A/DP | |
| Audio | Speaker | 1W x 2 | 3W x 2 | |
| Power | Voltage | 100V ~ 240V AC | | |
| Dimension | Weight (KG) | <2.5 | 5.5 | 7 |
| | Physical (W/H/D) | TBD | | |
| Accessory | Standard Package (Optional) | Stand, Adapter, Cables | | |
| Environment | Operating Temperature | 0°C ~ +40°C | | |
| | Storage Temperature | -10°C ~ +60°C | | |
| | Operating Humidity | 5% ~ 90% (No Condensation) | | |
| | Storage Humidity | | | |
| Others | | Active Pen Support MPP | Automatic Color Calibration | |





*We collaborate with our customers to create
interactive interfaces and connecting to the world.*



Champ Agility , Vision Infinity

Champ Vision Display Inc.

3F, No.2, Ke Bei 5th Rd., Chu-Nan Science Park,

Miao-Li Country 35035, Taiwan

Mail : sales@champvision.com.tw

Website : www.champvision.com.tw

