

21.5" Outdoor P-Cap Touch and Non-Touch Display with Android 8.1 OS

MOT-21580CH, MOT-21580H

Touch

Non-touch



A diverse and durable 1500 NIT outdoor display with a beautifully vibrant picture.

21.5" Outdoor Display with Android

Mimo Monitors is proud to introduce the first, in a line of many small format touch displays designed for optimum outdoor performance. Durable, reliable, and beautifully vibrant, this small format outdoor display is available with an Android player and works at an extended temperature range, from -20c to 60c (-20F to 140F) degrees, making it ideal year-round, no matter the temperature. To protect from the elements ranging from water, moisture, sand, dust and insects, this commercial display is IP65 rated, allowing for hard use in nearly every weather condition. With 1500 nits of light, this display offers stunning, clear, crisp and easy to see visuals both in sunlight and ambient lighting. For added impact the light sensor adjusts the display's brightness during cloudy days and at nighttime to optimize power consumption ensuring an ideal viewing experience. The Mimo Outdoor High Bright Displays are the perfect digital signage for amusement parks, sports arenas, quick service restaurant orders, outdoor kiosks, gas stations and many more commercial applications.

Features:

- IP65 rating
- Optic bonding to reduce glare
- High bright, vivid screen
- PCAP touch - optional MOT-21580CH
- Wide operating temperature for very hot and very cold conditions
- Anti-glare cover glass
- VESA 100 mounting holes
- Optically bonded

Applications:

- Outdoor interactive digital signage
- Outdoor interactive wayfinding
- Outdoor menu boards with ordering capability
- Outdoor stadiums
- Outdoor amusement parks
- Outdoor restaurants
- Outdoor transportation
- Outdoor service and gas stations
- Food trucks





Build for long term use and support

The Mimo Outdoor Display with Android is designed and supported as a long term commercial product. The external specifications and tooling are controlled to ensure a long product life, which is crucial for maintaining continuity for all phases of project rollouts and service.

RK3288 Quad Core ARM A17

The RK3288 platform is integrated with a Quad-Core Cortex-A17 with speed up to 1.8GHz and the ARM Mali-T764 GPU which supports OpenGL ES1.1/2.0/3.0, openVG1.1, OpenCL and DirectX11 so all graphic intensive apps are fluid and lifelike. All this, combined with 2GB of dual-channel DDR3 memory, distinguishes our display from other solutions.

Android 8.1 OS, license free

The quad-core with Android 8.1 OS has accelerated webpage opening speed by 50%, app installation speed by 25%, app loading speed by 16%, video and photo loading speed by 30%. The Mimo Outdoor Display with Android can be installed with applications downloaded from Android Market for different customized demands.

High-quality tempered glass multi-touch panel

The Mimo Outdoor Display with Android features a 10 point multi-touch projected capacitive panel. The capacitive touch panel is made of scratch-free tempered glass, and produced with a double-deck glass process and advanced laser carving. The touch panel responds fast and accurately without dead corners, allowing users to easily interact with your designed app.

VESA mount, wired Ethernet

The Mimo Outdoor Display with Android is designed with VESA 100x100 mounting holes on the back. In addition to the built-in Wi-Fi, our display comes with a wired RJ45 Ethernet connection.

Play Full HD video smoothly, support, Flash & HTML5

The Mimo Outdoor Display with Android plays 4k videos smoothly, and is compatible with 480P, 720P, and 1080p videos in all kinds of formats: TS, H.264, WMV, MPEG4, etc. The display supports Adobe Flash 11.0 and HTML5 animation technology, and can easily access dynamic webpage, and on-line videos or games.

The best equipped commercial and retail display

The Mimo Outdoor Display with Android is fully equipped with all the typical tablet functions for running advanced and sophisticated client applications, offering users a rich and interactive experience.

Elegant, Light, Durable, Modern, Professional

The Mimo Outdoor Display with Android is designed with a high-quality aluminum case with modern thin bezel design, thus greatly improving scratch resistance.

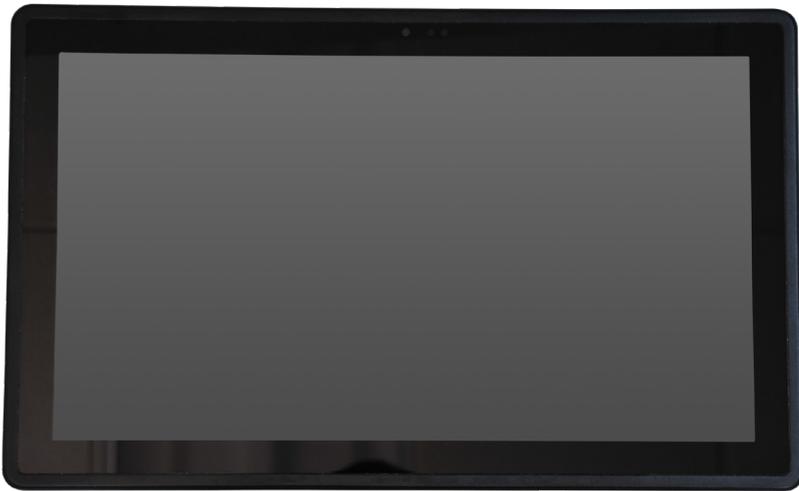
Product Specifications

| | | |
|---------|-----------------------|--------------------------|
| DISPLAY | Display | 21.5" diagonal |
| | Resolution | 1920 x 1080 |
| | Brightness | 1500 NITS |
| | Contrast | 1000:1 |
| | Aspect Ratio | 16:9 |
| | Optic Bonded | Yes |
| | Viewing Angle | 85/85/85/85 |
| | I/O | Ethernet, HMDI, VGA, USB |
| | Touch | 10-point P-Cap |
| | Power | 100-240VAC |
| | IP Rating | IP65 |
| | Operating Temperature | -20F - 140F |
| | Product Dimensions | 544x336x61mm |
| | Product Weight | 12kg / 26.5 lbs |

Technical Specifications

| | | |
|---------------------|----------------------------|---|
| Media Format | Video | MKV, TS, FLV, AVI, VOB, MPG, DAT, ASF, RM, MOV, 3GP, MP4, WMV |
| | Audio | MP2, WMA, WAV, AAC, OGG, ASF, 3.5mm |
| | Picture | JPG, BMP, GIF |
| Ethernet | RJ45 | 10/100/1000Mbps LAN |
| Wireless | Wi-Fi | 802.11 a/b/g/n/ac Dual Band 2.4 and 5.0 GHz |
| | Bluetooth | BT4.2 |
| Camera | Front | Front: 5M pixels (optional) |
| OSD Function Keys | Keys button | +, -, Up, Down, Menu/Enter |
| Hardware Systems | CPU | Cortex-A17, Quad Core, up to 1.8 GHz |
| | DRAM Memory | 2GB DDR3 SDRAM |
| | Storage Memory | 8GB eMMC Flash |
| General Information | Case design | Body and cover are black metal |
| | Mounting | 100mm x 100mm VESA mounting screw holes |
| | Clock Battery (for RTC) | Lithium-ion non-rechargeable coin battery |
| | Storage Temp | -15 -- 65 degrees C |
| | Working Temp | -20 --60 degrees C |
| | Storage / Working Humidity | 10 – 100% non-condensing |
| | MTBF | 50,000 hours demonstrated |
| | Warranty | 1 years |
| | Certifications | FCC, CE, & RoHS |

Product Pictures



Mechanical Design

1. USB
2. Audio
3. RGB
4. Power
5. HDMI
6. R545 Ethernet
7. OSD
8. VESA 100 Mount Holes



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