

# Smart All-in-One Conference Display Specifications



Cedar Electronics  
V1.0

## Product Appearance



| Items  |                                |                                  |                                   |                                   |                                   |                                   |
|--------|--------------------------------|----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| Type   |                                | TV108FHD2K-XPM012Plus            | TV135FHD2K-XPM015Plus             | TV135UHD4K-XPR007Plus             | TV163FHD2K-XPM018Plus             | TV163UHD4K-XPM009Plus             |
| Module | Screen Size (W × H)(mm)        | 2400 × 1350                      | 3000 × 1687.5                     | 3000 × 1687.5                     | 3600 × 2025                       | 3600 × 2025                       |
|        | Screen Resolution (pixels)     | 1920 × 1080                      | 1920 × 1080                       | 3840 × 2160                       | 1920 × 1080                       | 3840 × 2160                       |
|        | Outline Size (W × H × D)(mm)   | 2428 × 2254 × 828 (Mobile Stand) | 3028 × 2592 × 828 ( Mobile Stand) | 3028 × 2592 × 828 ( Mobile Stand) | 3628 × 2929 × 828 ( Mobile Stand) | 3628 × 2929 × 828 ( Mobile Stand) |
|        |                                | 2428 × 1514 × 90 (Wall-Mounted)  | 3028 × 1852 × 70 (Wall-Mounted)   | 3028 × 1852 × 70 (Wall-Mounted)   | 3628 × 2189 × 70 (Wall-Mounted)   | 3628 × 2189 × 70 (Wall-Mounted)   |
|        | Cabinet Interconnection Method | Board-to-Board Connector         | Board-to-Board Connector          | Board-to-Board Connector          | Board-to-Board Connector          | Board-to-Board Connector          |
|        | Maintenance                    | Front                            | Front                             | Front                             | Front                             | Front                             |
|        | Total Weight                   | 110/150                          | 140/190                           | 140/190                           | 190/250                           | 190/250                           |

|         |                                           |                                       |  |  |  |  |
|---------|-------------------------------------------|---------------------------------------|--|--|--|--|
|         | (kg)                                      |                                       |  |  |  |  |
|         | Ingress Protection<br>( Front )           | IP65                                  |  |  |  |  |
| Optical | Operating Brightness (cd/m <sup>2</sup> ) | 0-600 Adjustable                      |  |  |  |  |
|         | Brightness Calibration                    | Support                               |  |  |  |  |
|         | Chroma Calibration                        | Support                               |  |  |  |  |
|         | Calibration Coefficient Storage           | Receiving Card / Module               |  |  |  |  |
|         | Brightness Uniformity                     | ≥98%                                  |  |  |  |  |
|         | Refresh Rate (Hz)                         | 1920-3840 (Scenario-Based Adjustment) |  |  |  |  |
|         | Frame                                     | 50/60                                 |  |  |  |  |

|            |                                             |                       |             |             |             |             |
|------------|---------------------------------------------|-----------------------|-------------|-------------|-------------|-------------|
|            | Rate<br>(Hz)                                |                       |             |             |             |             |
|            | Color<br>Tempera<br>ture (K)                | 3000-10000 Adjustable |             |             |             |             |
|            | Color<br>Gamut<br>( NTSC<br>)               | $\geq 115\%$          |             |             |             |             |
|            | Color                                       | 281 Trillion Colors   |             |             |             |             |
|            | Horizont<br>al<br>Viewing<br>Angle<br>( ° ) | $\geq 170$            |             |             |             |             |
|            | Vertical<br>Viewing<br>Angle<br>( ° )       | $\geq 170$            |             |             |             |             |
|            | Stat<br>ic<br>Contrast<br>Ratio             | $\geq 10000:1$        |             |             |             |             |
|            | Dynamic<br>Contrast<br>Ratio                | $\geq 350000:1$       |             |             |             |             |
| Electrical | Input<br>Voltage<br>(V)                     | AC100-240(50/60Hz)    |             |             |             |             |
|            | Max.                                        | $\leq 920$            | $\leq 1400$ | $\leq 1850$ | $\leq 2100$ | $\leq 2250$ |

|                         |                                  |                                                                                      |                                               |                                                |                                               |                                                |
|-------------------------|----------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------|------------------------------------------------|-----------------------------------------------|------------------------------------------------|
|                         | Power Consumption (W/Set)        |                                                                                      |                                               |                                                |                                               |                                                |
| Operation               | Drive Mode                       | Constant Current PWM                                                                 |                                               |                                                |                                               |                                                |
|                         | Grayscale (bit)                  | 16                                                                                   |                                               |                                                |                                               |                                                |
|                         | Installation Method              | Wall-mounted (Standard)                                                              |                                               |                                                |                                               |                                                |
|                         | Operation Temp./Humidity (°C/RH) | -10 ~ +40/10% ~ 90% with no Condensation                                             |                                               |                                                |                                               |                                                |
|                         | Storage Temp./Humidity (°C/RH)   | -20 ~ +60/10% ~ 90% with no Condensation                                             |                                               |                                                |                                               |                                                |
| Intelligent Interaction | Android Mainboard                | Multi-core processor + 4GB RAM + 64GB Storage                                        | Multi-core processor + 4GB RAM + 64GB Storage | Multi-core processor + 8GB RAM + 128GB Storage | Multi-core processor + 4GB RAM + 64GB Storage | Multi-core processor + 8GB RAM + 128GB Storage |
|                         | OPS Mainboard                    | Multi-core processor + 16GB RAM + 256GB Storage (Upgradeable)                        |                                               |                                                |                                               |                                                |
|                         | Wireless                         | Screen Casting via Cast Dongle /Android casting (App Required) / iOS AirPlay / Cloud |                                               |                                                |                                               |                                                |

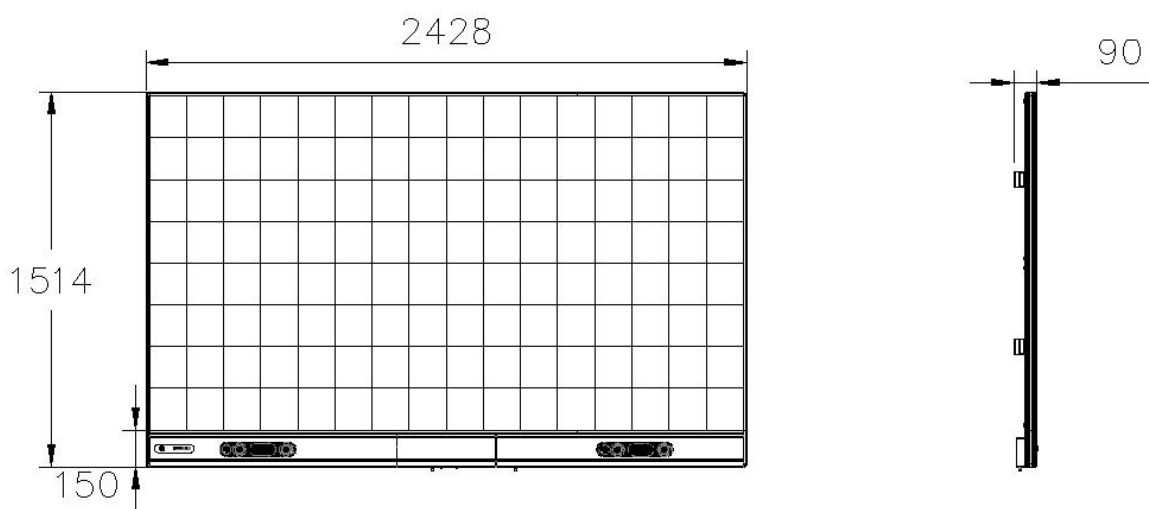
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|--|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
|  | Screen Casting           | Casting                                                                                                                                        |
|  | Screen Casting Mode      | Software / Hardware                                                                                                                            |
|  | Screen Casting Windows   | Support 2, 4, 6, 9 split-screen layouts                                                                                                        |
|  | Digital Whiteboard       | Support full-screen erase, brush & eraser settings, chart/table insertion, 2/3/4 split-screen modes, file saving, background replacement, etc. |
|  | Reverse Touch Control    | Support remote touch control for external PCs (requires HDMI cable and USB-B control cable connected to HDMI1/HDMI2 inputs)                    |
|  | Annotation Tools         | Real-time freehand annotation on current content with one-click save                                                                           |
|  | Annotation Function      | Supports saving annotations and QR code scanning                                                                                               |
|  | Small-Screen Mode        | Allows custom screen display scaling; supports $0.25 \times$ , $0.5 \times$ , and $0.75 \times$ zoom                                           |
|  | Signal Display Priority  | Supports quick customization of multi-input source display order                                                                               |
|  | Audio Output Settings    | Allows custom configuration of audio output interfaces                                                                                         |
|  | Application Split-Screen | Supports partial application split-screen display                                                                                              |

|                    |                       |                                                                                                                                                                                                                                       |
|--------------------|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                    | reen                  |                                                                                                                                                                                                                                       |
| Android Interfaces | Video Interface<br>s  | HDMI IN (2.0): Front panel × 1 / Bottom bezel × 2<br><br>HDMI OUT (2.0): Bottom bezel × 1                                                                                                                                             |
|                    | Audio Interface<br>s  | SPDIF × 1<br><br>3.5mmAudio Jack*1                                                                                                                                                                                                    |
|                    | USB                   | Front: USB2.0 × 2<br><br>Bottom: USB3.0 × 1、USB2.0 × 1 (OPS) 、USB-B × 1                                                                                                                                                               |
|                    | TYPE-C                | Debugging Interface                                                                                                                                                                                                                   |
|                    | Network Interface     | Internet、WiFi                                                                                                                                                                                                                         |
|                    | Control Interface     | Internal Interface (XH2.54-4PIN)                                                                                                                                                                                                      |
| OPS Interfaces     | Video Port<br>(OUT)   | HDMI2.0 × 1、DP1.2 × 1                                                                                                                                                                                                                 |
|                    | Audio Port            | LINE-OUT/MIC-IN × 1                                                                                                                                                                                                                   |
|                    | USB                   | USB3.2 × 2                                                                                                                                                                                                                            |
|                    | Network Port          | LAN × 1、WiFi                                                                                                                                                                                                                          |
| External Devices   | Camera<br>( Optional) | PTZ camera mount, 1080P , 30-60 m <sup>2</sup> coverage, areas.5x lossless zoom / 2x digital zoom, built-in audio pickup, horizontal/vertical rotation, IR remote, external power required                                            |
|                    |                       | PTZ camera mount, 4K UHD (3840 × 2160) , 30-100 m <sup>2</sup> coverage. 12x optical zoom, auto-focus technology, AI human tracking; multiple-video output interface, remote control support, 340 ° rotation; external power required |
|                    | Microph               | Support 360 ° omnidirectional microphone. Specs: 360 ° sound pickup, intelligent                                                                                                                                                      |

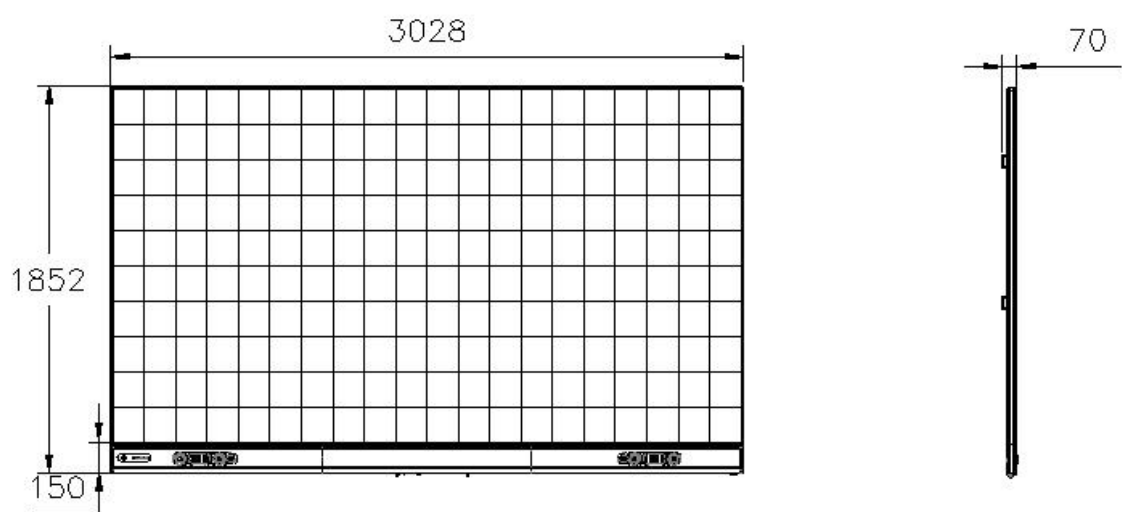
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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                                      | one<br>( Optional)                                     | noise reduction, built-in 1800mah battery (8-hour runtime), 2.4g wireless adapter (10m transmission range), 5m pickup radius |
|                                                                                                                                                                                      | Wireless<br>Screen<br>Casting<br>Device<br>( Optional) | USB port (for AIO Compatibility)                                                                                             |
| Audio                                                                                                                                                                                | Audio                                                  | Built-in high-fidelity dual speakers, stereo surround sound (speaker power: 2*60w max)                                       |
| Video<br>Meeting                                                                                                                                                                     | Platform                                               | Supports major platforms such as Huawei Welink, Xiaoyu Yilian, and Tencent Meeting                                           |
| Note: Specifications can be customized according to actual conditions. Changchun Cedar Electronics Technology Co., Ltd. reserves the right of final interpretation of this document. |                                                        |                                                                                                                              |

## Outline Dimensions

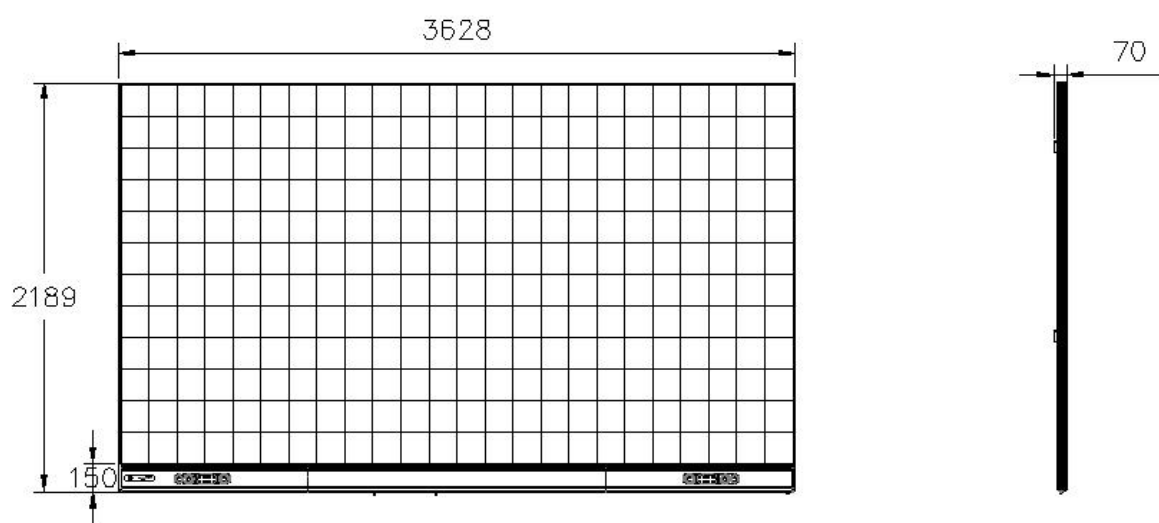
### Wall-Mount Installation Dimensions



108" Wall-Mount Installation Dimensions

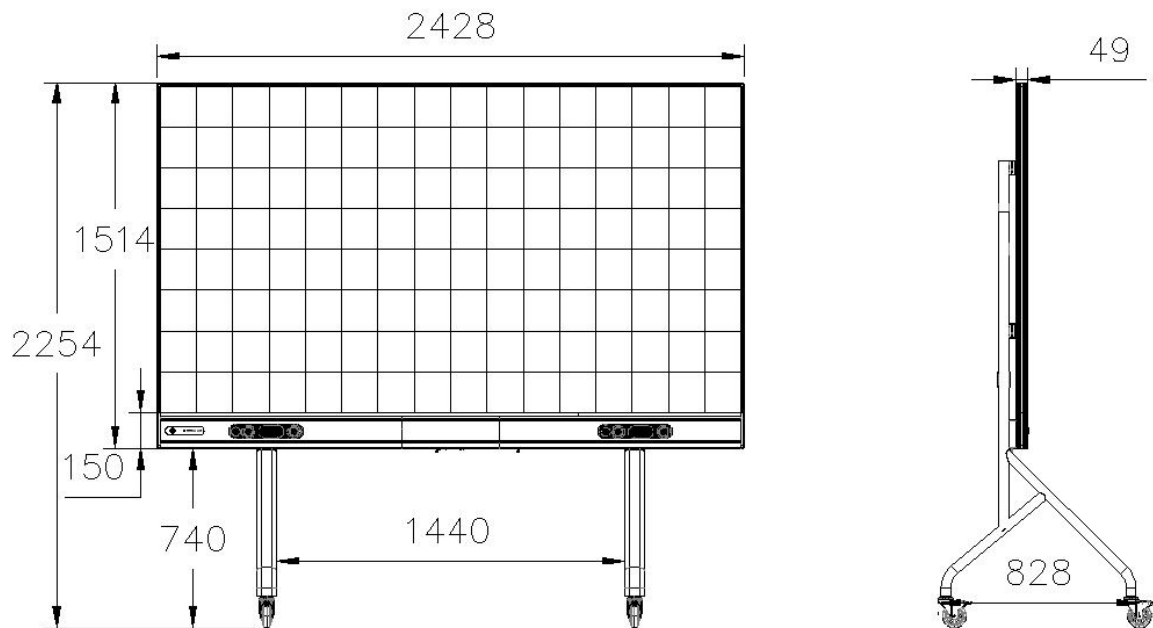


135" Wall-Mount Installation Dimensions

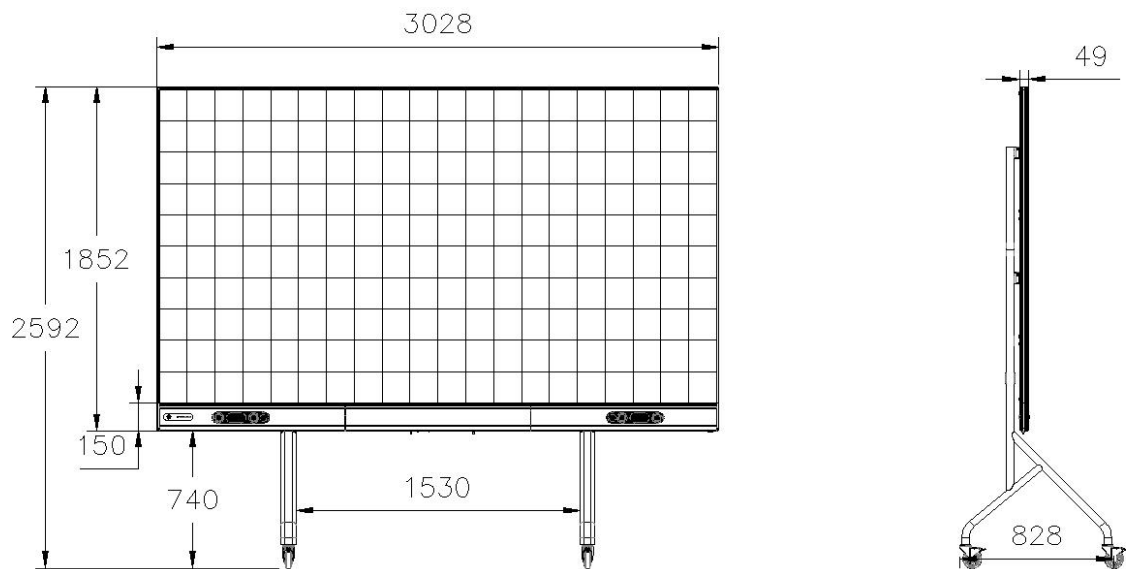


163" Wall-Mount Installation Dimensions

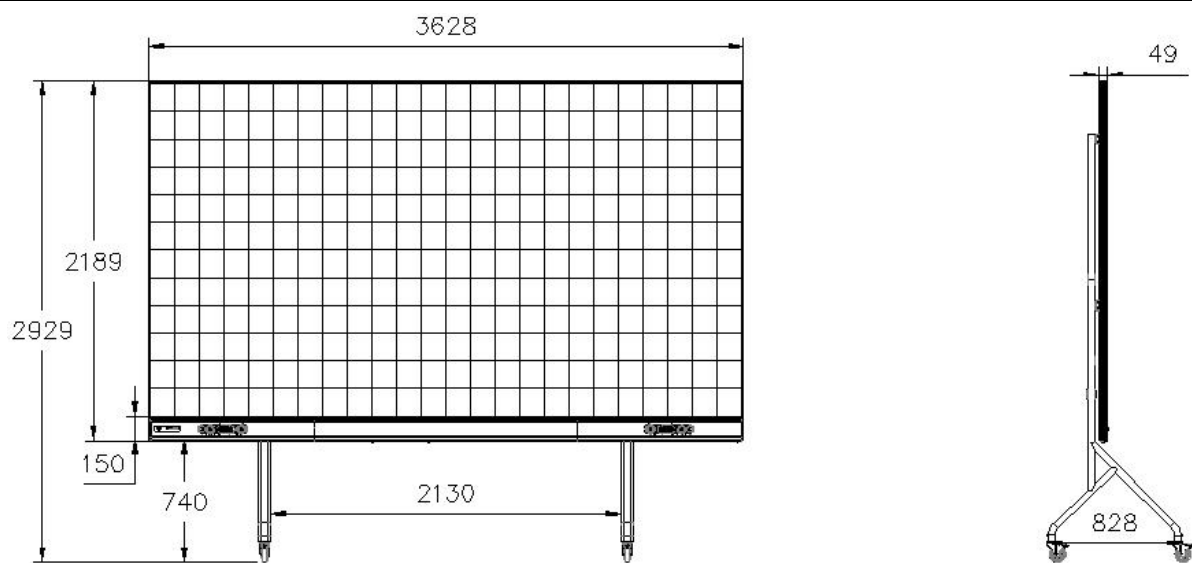
## Mobile Stand Installation Dimensions



108" Mobile stand Installation Dimensions



135" Mobile stand Installation Dimensions



163" Mobile stand Installation Dimensions