



## 86" Android Based Interactive Flat Panel Displays

### Key Features



#### Palm Erase

Automatic palm erasing function allows teachers and students to simplify the white board experience with smooth writing and erasing.



#### Wireless Presentation

Teachers, students or any user can share their screen efficiently and conveniently in the classroom or meeting room via EShare application. This application can connect any operating system and show up to 4 different screen at the same time.



#### Ease of use with Android

Android gives teachers one touch access for lessons and collaboration tools including whiteboard, web browser, apps library, and native wireless screen sharing.



#### Different Sizes for various classrooms

Available in a variety of large screen sizes, the IFD range gives customers the options to choose exactly what they need for their room size.

## PANEL

|                          |   |
|--------------------------|---|
| Screen Size              | 86"   |
| Panel Technology         | IPS   |
| Backlight Type           | Edge-Type LED                                   |
| Brightness (typical)     | 400 cd/m <sup>2</sup>                           |
| Native Resolution        | 3840 x 2160 (16:9) - UHD                        |
| Contrast Ratio (typical) | 1200:1  |
| Dynamic Contrast Ratio   | 50000:1   |
| Panel Life Time ( Min. ) | 30000 Hrs                                       |
| Response Time (typical)  | 8 ms  |
| Active Area (H x V)      | 1907 x 1076 mm                                  |
| Pixel Pitch (H x V)      | 0.4935 x 0.4935 mm                              |
| PPI (pixel per inch)     | 52  |
| Viewing Angle            | 178° Vert., 178° Hor. (89U/89D/89L/89R) @ CR>10 |
| Color Value              | 1.07 B (10-bit)                                 |
| Screen Treatment         | 2H  |
| Haze Level               | 3%  |
| Refresh Rate             | 120 Hz  |
| Front Type               | Black Touch Bezel Type                          |
| Orientation              | Horizontal                                      |
| Operation Hours          | 16/7  |
| Area of Usage            | Indoor  |

## MAINBOARD

|                 |           |
|-----------------|-----------|
| Mainboard Model | 17MB135VS |
|-----------------|-----------|

## MONITOR CONNECTIVITY

|                  |  |
|------------------|--|
| RGB Input        | VGA(DE-15F)                                      |
| RGB Output       | N/A  |
| Video Input      | 3xHDMI2.0, 2xUSB2.0, USB2.0(Internal), 1xMicroSD |
| Video Output     | HDMI2.0  |
| Audio Input      | Line In L/R                                      |
| Audio Output     | Headphone, Optic SPDIF                           |
| External Control | RS232(DE-9F), 2*Ethernet(RJ45), Service(RJ12)    |
| External Sensor  | RJ12   |

## TOUCH TECHNOLOGY

|                               |   |
|-------------------------------|---|
| Type of Touch Technology      | Infrared (IR) Technology  |
| Supported Point               | 10 Points   |
| Sensitivity                   | Any touch with finger, gloved hand or pointer   |
| Connectivity                  | HID, TUIO, Flash  |
| Supported OS and Applications | Windows <sup>®</sup> 7, Windows <sup>®</sup> 8, Windows <sup>®</sup> 10, Vista, XP, Mac <sup>®</sup> OS, Linux, Android |
| Orientation                   | Landscape support   |
| Calibration                   | No need   |
| Accuracy                      | %90 <   |
| Reporting Rate                | Up to 450 fps   |
| Glass Type                    | Anti Glared (AG), 4mm Tempered  |
| Frame Rate                    | up to 450 fps   |
| Communication                 | USB 2.0   |
| Power Supply Mode             | USB   |
| Supply Voltage                | DC 5V +/- 5%  |
| Average Current               | <400mA  |
| Response Time                 | <10ms   |
| Touch Accuracy                | +/-2mm (over 90% area)  |
| Object Sizes for Touch        | 5mm   |
| Touch Durability              | Unlimited   |
| HID Compatibility             | Yes USB   |

## MECHANICAL

|                            |                        |
|----------------------------|------------------------|
| Product Dimensions (WxDxH) | 1975 x 103 x 1146 mm   |
| Package Dimensions (WxDxH) | 2163 x 318 x 1405 mm   |
| Product Weight             | 90.5 kg                |
| Package Weight             | 110.6 kg               |
| Vesa Mounting              | 600 x 400 mm           |
| Bezel Width                | B:38  T:38   L/R:38 mm |

## ENVIRONMENTAL CONDITIONS

|                       |             |
|-----------------------|-------------|
| Operating Temperature | +40°C / 0°C |
| Operating Humidity    | 90%         |

## POWER

|              |                   |
|--------------|-------------------|
| Power Supply | 110 VAC - 240 VAC |
|--------------|-------------------|

## POWER CONSUMPTION

|              |       |
|--------------|-------|
| Typical      | 280W  |
| Deep Standby | ≤0.5W |

## FEATURES

|                     |  |
|---------------------|--|
| Main Features       | Open Content Management Support, Scheduler, USB-Autoplay, Auto-Launch, HDMI-CEC, HDMI-Hotplug, Auto-switch on Failover, Panel Lock, OSD Rotation, NoSignalPowerOff, Screen Saver, Pixel shift, Scheduler, Videowall support, remote control via LAN, Real Time Clock |
| Mechanical Features | Joystick, IR Extender Support, Rocker Switch, Detachable power cable, Carrying slots, Detachable logo positioning, Internal usb cover, Cable Holder  |
| Optional Features   | OPS Compliance   |
| Speaker             | 2 x 12 W   |

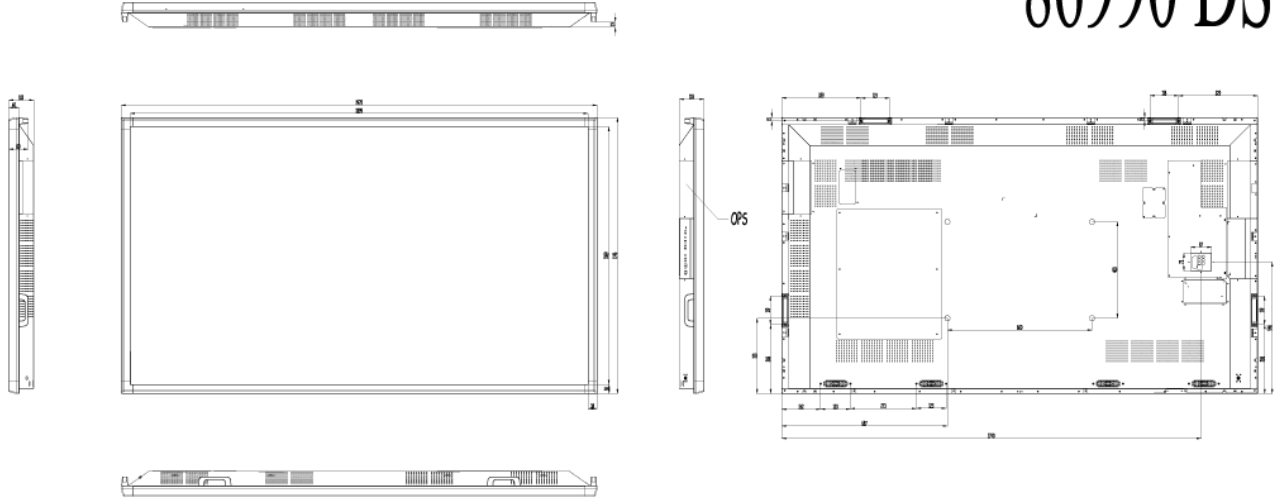
## ACCESSORY

|          |   |
|----------|---|
| Standard | QSG, IB, Power Cord, Remote Control Unit, RC Battery, Mounting Kit, Extension Brackets, IR Extender Cable |
|----------|---|

## CERTIFICATION

|                    |     |
|--------------------|-----|
| Safety             | YES |
| EMC                | YES |
| CE                 | YES |
| Reability Approval | YES |

## 86990 DS



| MODEL<br>86900 DS                   | TV DIMENSIONS (mm)<br>TV ÖLÇÜLERİ |                         |                           |
|-------------------------------------|-----------------------------------|-------------------------|---------------------------|
|                                     | WIDTH<br>GENİŞLİK<br>mm           | DEPTH<br>DERİNLİK<br>mm | HEIGHT<br>YÜKSEKLİK<br>mm |
| PRODUCT DIMENSIONS<br>ÜRÜN ÖLÇÜLERİ | 1975                              | 103                     | 1146                      |
| PRODUCT BOX<br>KUTU ÖLÇÜLERİ        | 2163                              | 318                     | 1405                      |

1907

ACTIVE CELL DIMENSIONS  
AKTİF GÖRÜNTÜ ÖLÇÜLERİ

1076

DIMENSIONS TOLERANCE +/-1 mm  
GENEL ÖLÇÜ TOLERANS +/-1 mm