



### Key Features



#### 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.



#### 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.



#### Palm Erase

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

Panel

|                         |  |                          |                          |
|-------------------------|--|--------------------------|--------------------------|
| Screen Size             | 55"  | Panel Technology         | IPS                      |
| Backlight Type          | Direct-Type LED                                    | Brightness (typical)     | 400 cd/m²                |
| Native Resolution       | UHD: 3840 x 2160 - HDR10                           | Contrast Ratio (typical) | 1300:1                   |
| Dynamic Contrast Ratio  | 40000:1  | Panel Life Time ( Min. ) | 30000 Hr                 |
| Response Time (typical) | 6 ms   | Active Area (H x V)      | 1210 x 681 mm            |
| Viewing Angle           | 178° Vert., 178° Hor.<br>(89U/89D/89L/89R) @ CR>10 | Color Value              | 16.7 M (8-bit)           |
| Screen Treatment        | 2H   | Haze Level               | 8%                       |
| Refresh Rate            | 60 Hz  | Front Type               | Black Super Narrow Bezel |
| Orientation             | Horizontal   | Operation Hours          | 16/7                     |
| Area of Usage           | Indoor   |                          |                          |

Built-in System

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

Monitor Connectivity

|                  |   |                 |                        |
|------------------|---|-----------------|------------------------|
| RGB Input        | VGA(DE-15F)   | RGB Output      | N/A                    |
| Video Input      | 3xHDMI2.0, 2xUSB2.0,<br>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),<br>Service(RJ12)    | External Sensor | RJ12                   |

Touch Interactivity

|                          |  |                         |                                |
|--------------------------|--|-------------------------|--------------------------------|
| Type of Touch Technology | Infrared (IR) Technology   | Continuous Touch Points | 10 Points                      |
| Sensitivity              | Any touch with finger, gloved hand<br>or pointer                           | Connectivity            | HID, TUIO, Flash               |
| Compatibility            | Windows®7, Windows®8,<br>Windows®10, Vista, XP, Mac® OS,<br>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)   | Touch Durability        | Unlimited                      |
| HID Compatibility        | Yes USB  | Object Sizes for Touch  | 5mm                            |

Mechanical

|                            |                     |                            |                         |
|----------------------------|---------------------|----------------------------|-------------------------|
| Product Dimensions (WxDxH) | 1280 x 123 x 751 mm | Package Dimensions (WxDxH) | 1480 x 265 x 930 mm     |
| Product Weight             | 29.45 kg            | Package Weight             | 38.15 kg                |
| Vesa Mounting              | 400 x 200 mm        | Bezel Width                | B:34   T:34   L/R:34 mm |

Environmental Conditions

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

Power

|              |                       |
|--------------|-----------------------|
| Power Supply | 90% 110 VAC - 240 VAC |
|--------------|-----------------------|

Power Consumption

|              |       |         |       |
|--------------|-------|---------|-------|
| Typical      | 138 W | Maximum | 180 W |
| Deep Standby | ≤0.5W |         |       |

Features

|                   |  |                     |  |
|-------------------|--|---------------------|--|
| Main Features     | USB-Autoplay, Auto-switch on<br>Failover, Control Button Lock, HDMI<br>Wake-Up | Mechanical Features | IR Touch, Joystick, IR Extender<br>Support, Rocker Switch, Detachable<br>power cable, Carrying handles,<br>Detachable logo positioning, Cable<br>Holders |
| Optional Features | OPS Compliance   | Speaker             | 2 x 8 W  |

Accessory

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

Certification

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