

ProColor 862U

Students will see everything with Boxlight's vibrant 86" ProColor interactive LCD flat panel Android display. Touch technology and collaboration are brought to life with the brilliance of 4K ultra high-definition.



Features

- 86" interactive flat panel display.
- Up to 20 single-point users or 10 dual-touch and gestures users with Touch 360° interactivity, driving collaborative learning to a new level.*
- Built-in Android OS for touch control plus Whiteboard app.
- 4K video resolution (3,840 x 2,160).
- LED backlighting for energy efficiency.
- Includes MimioStudio™ classroom software with 3-device MimioMobile™ license.

* Multi-touch available on Windows systems. Mac and Linux are single touch.

Options

- Internal Windows 10 PC (available with Intel i5 or i7)
- Wall mount
- Android module
- Wi-Fi module

Specifications

Dimensions and Weight	
Overall Dimensions (W x H x D)	1,988 mm x 1,178 mm x 99.6 mm (78.3 in. x 46.4 in. x 3.9 in.)
Net Weight	78 kg (172 lb.)
Packaged Dimensions (W x H x D)	2,211 mm x 1,370 mm x 280 mm (87.1 in. x 53.9 in. x 3.9 in.)
Gross Weight	105 kg (231.5 lb.)
Effective Screen Size (W x H)	1,895 mm x 1,065 mm (74.6 in. x 41.9 in.)
Active Screen Size (Diagonal)	86 in.
Image	
Display Format Native Resolution	3,840 x 2,160
Aspect Ratio	16:9
Picture Response Time (Gray to Gray)	8 ms
Refresh Frequency	60 Hz
Pixel Pitch	0.49 mm x 0.49 mm
Pixel Density	51.5 DPI (dots per inch)
Panel Resolution	3,840 x 2,160
Display Colors	1.07 B (10-bit)
Brightness (typical)	350 nits

Contrast Ratio	1,200:1
Viewing Angle	Hor. 178°, Ver. 178°
Backlight Life (estimated)	50,000 hours
Touch Tracking	
Tracking Technology	Touch 360° Infrared
Touch Points Operating Systems	20-touch: Windows 7+ Single touch: Mac OS 10.8+, Linux, Chrome
Touch Tool	Stylus, finger (even if gloved), or solid object
Tracking Accuracy	+/-2mm (0 in.)
Tracking Read Speed	>125 frames/s
Tracking Response Time	12 ms (typical)
Tracking Points	32,767 x 32,767
Safety	
Anti-Glare Glass	Yes
Protective Glass	4 mm tempered glass Level 7 Mohs
Connections	
Input/Output	Input: - VGA x1 - HDMI-4K V1.4 x 2 - HDMI-4K V2.0 x 1 - PC audio x 1 - DisplayPort x 1 Output: - HDMI x 1 - Earphone out x 1 - Digital audio output coax x 1 USB: - USB 2.0 x 4 (2 in front, 1 on side, 1 on the bottom) - USB 3.0 x 2 (1 in front, 1 on side)

	<ul style="list-style-type: none"> - USB 2.0 Type-B for touch control (on side) - RS-232 x 1 - LAN RJ-45 x 1
Audio	
Output	12 W x 2
Sound System	Stereo
Equalizer	Yes
Sound Status Memory	Yes
Balance	Yes
Environmental	
Storage Temperature	-20° to 60° C (-4° to 122° F)
Storage Humidity	10% to 90%
Operating Temperature	0° to 40° C (32° to 104° F)
Operating Humidity	10% to 90%
Power Requirement	100–240 VAC 60/50 Hz
Power Consumption (Operating)	500 W
Power Consumption (Sleep Mode)	<0.5 W
Mount	
Mounting Screw Size	M8 x 25 mm
VESA Form Factor	800 x 600 mm
Accessories	
HDMI Cable	1 x 3 m
AC Power Cable	1 x 3 m

USB Cable	1 x 5 m
Passive Stylus	3 x magnetic
Remote Control	1 (with batteries)
Wall Mount	Optional
Internal PC Module	Optional
Android	
Version	Android 5.1 "Jelly Bean"
CPU	ARM Cortex A53 Dual Core
GPU	Quad Core
RAM	2 GB
ROM	16 GB

What's in the box:

Hardware

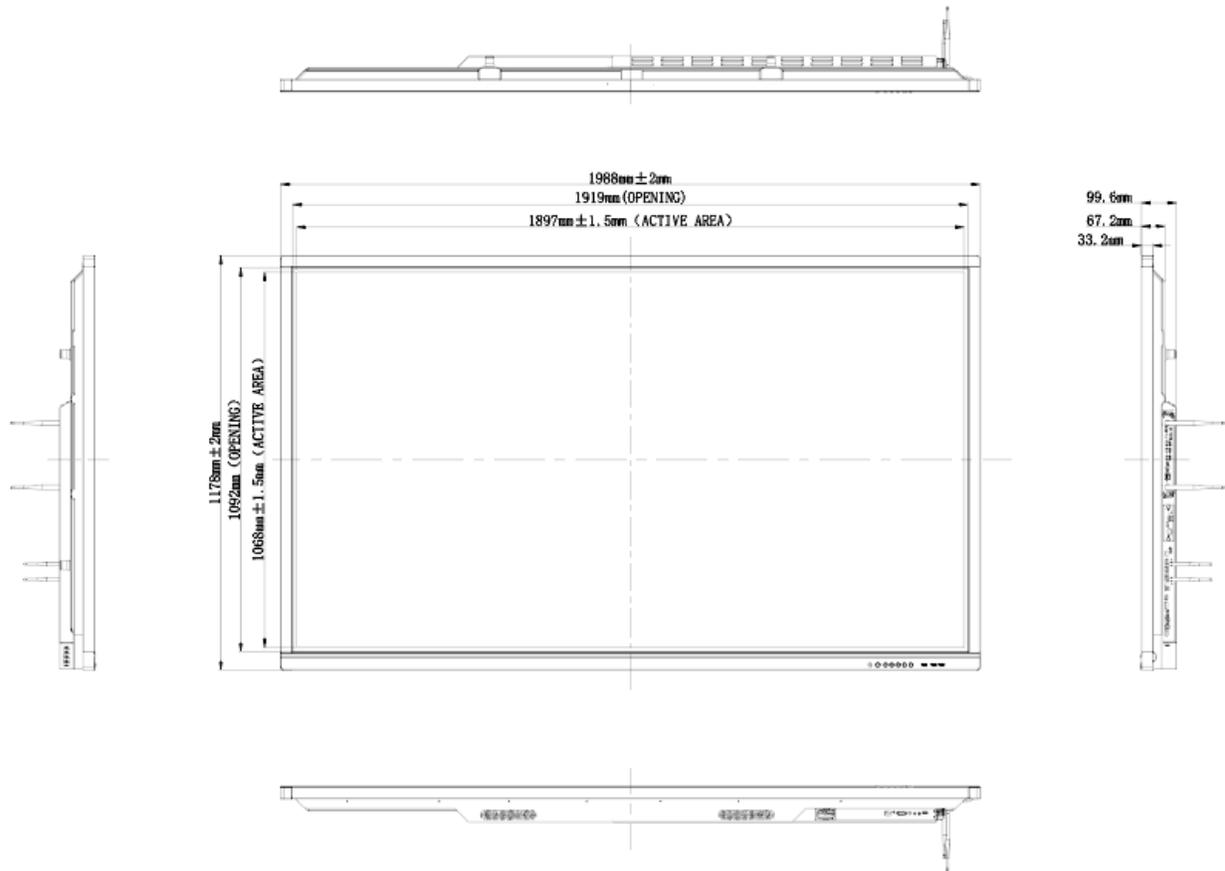
- Magnetic stylus x 3
- Remote control with batteries

Documentation

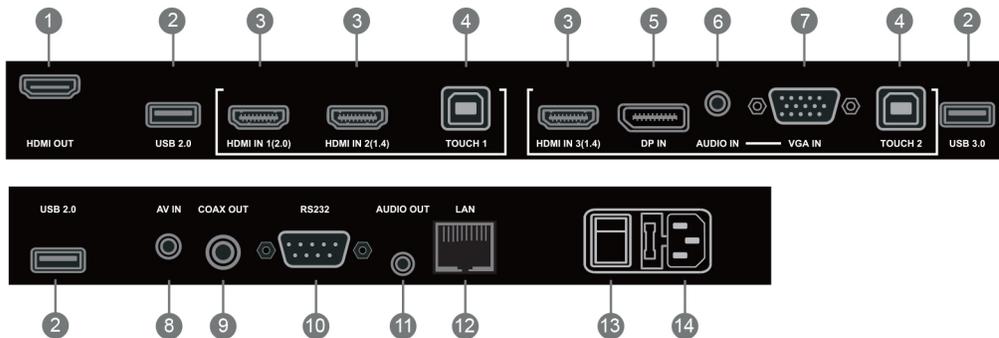
- MimioStudio license
- Warranty card
- QuickStart Guide

Cables

- HDMI cable (3 m)
- USB A-to-B for touch (5 m)
- US power cord (3 m)



Connections



Items	Function description
① HDMI OUT	Displays whatever is on the screen, including Android annotation.
② USB	Connect USB devices such as mobile hard disk, U disk, USB keyboard and mouse, USB drives, etc.
③ HDMI IN	HDMI input
④ TOUCH	Touch signal output for connection to external computer
⑤ DP	DisplayPort input
⑥ AUDIO IN	Line level audio input
⑦ VGA IN	VGA input
⑧ AV IN	Composite video + audio input - 3.5mm 4-conductor
⑨ COAX OUT	Digital audio output - "RCA" connector
⑩ RS-232	Control interface
⑪ AUDIO OUT	Output to an external amplifier and speaker
⑫ LAN	RJ-45 connector
⑬ AC SWITCH	Master power switch
⑭ AC IN	AC power input

HDMI = High-definition multimedia interface

Specifications are subject to change without notice.