ProColor 862U

Touchboards

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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.

To learn more, visit boxlight.com/procolor or call 866.972.1549.

BOXLIGHT mimio

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
Panel Resolution	3,840 x 2,160
Display Colors	1.07 B (10-bit)
Brightness (typical)	330 nits
Contrast Ratio	1,200:1

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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	20 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 x 2 - HDMI 4K2K 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 3 (2 in front, 1 on side) - USB 3.0 x 1 (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 5 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
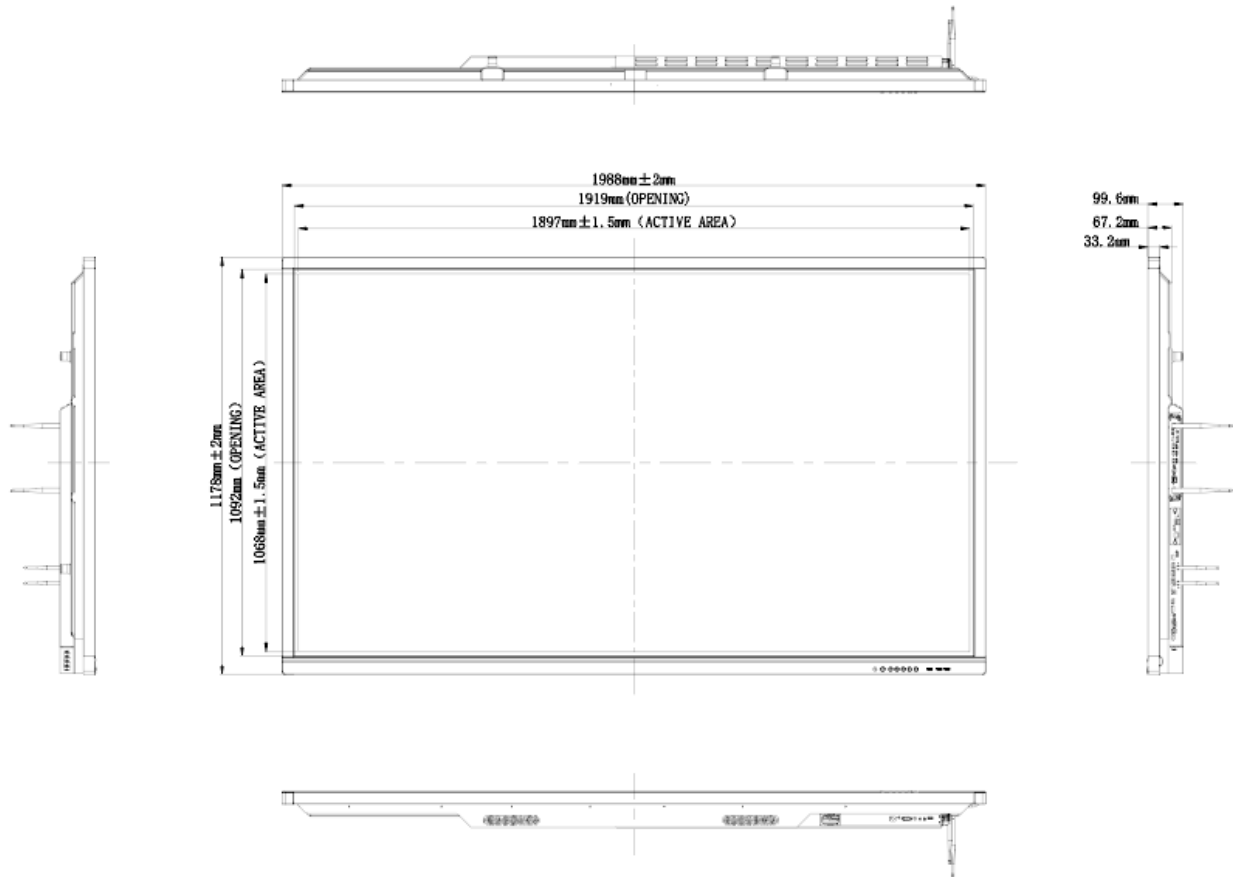
Documentation
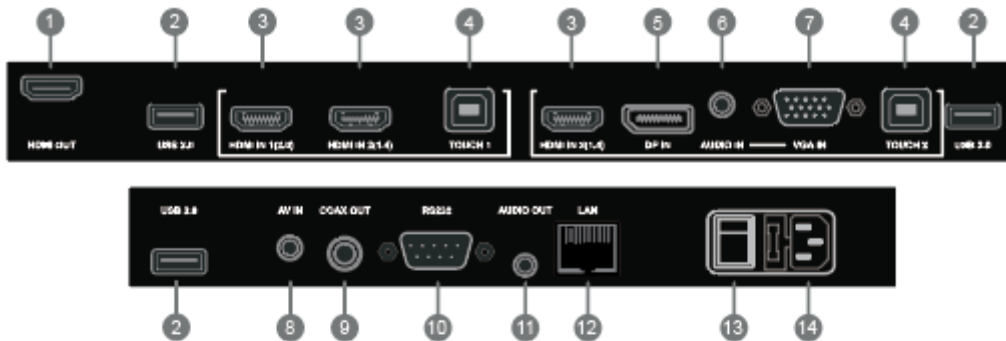
- MimioStudio license
- Warranty card
- QuickStart Guide

Cables

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

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Drawings

1988mm±2mm
1919mm(OPENING)
1897mm±1.5mm (ACTIVE AREA)

1178mm±2mm
1092mm (OPENING)
1068mm±1.5mm (ACTIVE AREA)

99.6mm
67.2mm
33.2mm

Connections

Items		Function description
①	HDMI OUT	Connected to the devices with HDMI input function
②	USB	Connect USB devices such as mobile hard disk, U disk, USB keyboard and mouse, USB drives, etc.
③	HDMI IN	High-definition multimedia interface signal input, connect to PC with HDMI output, set-top box, or other video device
④	TOUCH	Touch signal output to the external computer
⑤	DP	Connected to devices with DisplayPort output function
⑥	AUDIO IN	External computer audio input
⑦	VGA IN	External computer image input
⑧	AV IN	Composite video and audio input
⑨	COAX OUT	Coaxial output
⑩	RS232	Serial interface, used for mutual transfer of data between devices
⑪	AUDIO OUT	Audio output to the external speaker
⑫	LAN	Connecting RJ45 terminals
⑬	AC SWITCH	To open or shut down AC power supply. " I " means power on, " O " means power off
⑭	AC IN	AC power input, connecting AC power supply

Specifications are subject to change without notice.

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