BOXLIGHT®

ProColor 863U

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

Features

- 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 high-power Android 8+ OS for touch control and wide selection of apps
- Access to the MimioMarket App Store
- 4K video resolution (3,840 x 2,160)
- LED backlighting for energy efficiency
- Includes several classroom software options with a collaboration app

Options

- Internal Windows 10 compatible PC (available with Intel i5 or i7)
  Windows 10 license not included

Multi-touch is available on Windows systems, MacOS uses multi-touch gestures but can allow for multi-touch when used with software that has multitouch capabilities IE: MimioStudio. Linux and Chrome are single touch.

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

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Specifications

Dimensions and Weight	
Overall Dimensions (W x H x D)	1,957.2 mm x 1,160 mm x 86 mm (77.1 in. x 45.7 in. x 3.4 in.)
Net Weight	64.65 kg (142.6 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 11.0 in.)
Gross Weight	95.6 kg (210.8 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)	350 nits
Contrast Ratio	1,200:1
Viewing Angle	Hor. 178°, Ver. 178°
Backlight Life	Direct light-emitting diode (LED) illumination rated at 50,000 hours

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2

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Touch Tracking

Tracking Technology	Touch 360° infrared
Touch Points Operating Systems	20-touch: Windows 7+ and MacOS (only in supported software) Single touch: Linux, Chrome
Touch Tool	Stylus, finger (even if gloved), or solid object
Two-Pen-Two-Color	Supported, application dependent
Tracking Accuracy	± 1.5 mm
Writing Height	≤ 3 mm
Minimum Object Size	3 mm
Tracking Read Speed	>125 frames/s
Tracking Response	≤10 ms
Tracking Points	32,767 x 32,767
Driver Required	No

Safety

Anti-Glare Glass	Yes
Protective Glass	4 mm tempered glass Level 7 Mohs

Connections

Input/Output	Input: - HDMI 2.0 x 3 - VGA x 1 - PC analog audio 3.5 mm x 1 Output: - HDMI x 1 (4K2K) - Analog 3.5 mm x 1 - SPDIF digital audio output coax x 1 USB: - USB 2.0 for Android x 2 in front - USB 2.0 for software updates only, 1 on side) - USB 3.0 x 3 (2 side, 1 front) - USB 2.0 Type-B for touch control x 2

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3

	Data and Control:
	    - RS-232 x 1
	    - LAN RJ-45 (10/100/1000Mbps) x 1

Control

Network Controllable	Boxlight NDMS compatible

Audio

Output	12 W x 2 into internal 8 Ohm speakers
Sound System	Stereo
Equalizer	Yes
Sound Status Memory	Yes
Balance	Yes

Environmental

Storage Temperature	-20° to 60° C (-4° to 140° 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	550 W operating, < 0.5 W sleep mode

Mount

Mounting Screw Size	M8 x 25 mm
VESA Form Factor	800 x 600 mm

Accessories

HDMI Cable	1 x 5 m

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AC Power Cable	1 x 3 m
USB Cable	1 x 5 m
Passive Stylus	2 x magnetic
Remote Control	1 (with batteries)
Android	
Version	Android 8.0 Oreo
CPU	Dual core A73+, Dual Core A53
GPU	Quad Core Mali G51
RAM	4 GB
ROM	32 GB
App Store	Yes, MimioMarket App Store

What's in the box:

Hardware
- Magnetic Stylus x 2
- Remote Control with Batteries
- Wi-Fi Module
- ProColor Wallmount-003

Documentation
- Warranty Card
- QuickStart Guide

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

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Software Options

- MimioConnect - 3 Year License
- MimioStudio Software - Perpetual License
- MimioMobile Collaboration App - 3 Year License
- OKTOPUS - Perpetual License
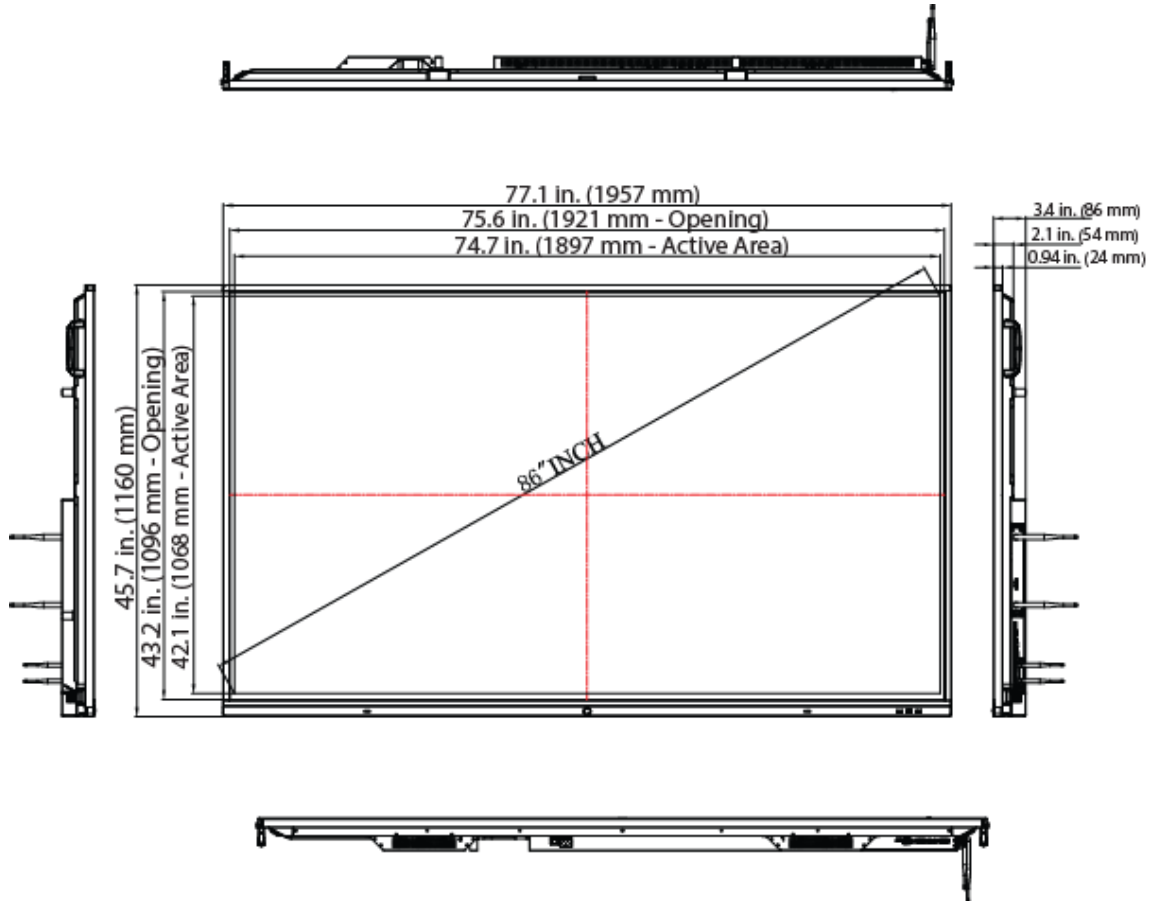- OKTOPUS Blend, Collaboration App & Premium Lessons - 3 Year License

Display Apps

- MimioMarket - App Store
- MimioMessage - Announcement App (Coming Soon)
- Unplug'd - Screen Casting
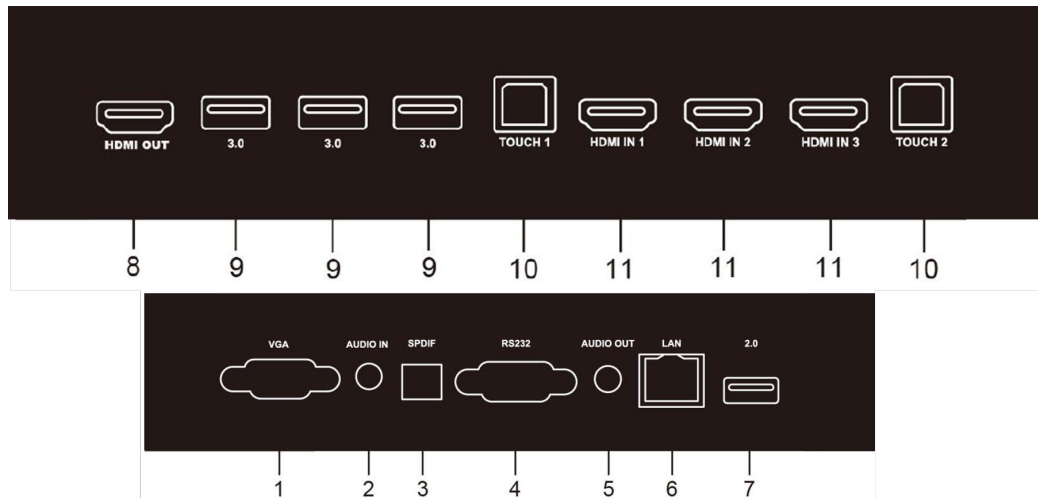- Basic Network Device Management

Online Professional Development Courses : Learn More

- ProColor3 Interactive Flat Panel
- OKTOPUS Basics
- OKTOPUS GamesZones
- OKTOPUS Blend
- MimioStudio Basics
- MimioConnect

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6

Drawings

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7

Connections

Number	Items	Function description
1	VGA	External computer image input
2	AUDIO IN	External computer audio input
3	SPDIF	Carry multichannel sound via optical signals.
4	RS232	Serial interface, used for mutual transfer of data between devices
5	AUDIO OUT	Audio output to the external speaker
6	LAN	Connect RJ45 terminals
7	2.0	USB 2.0,connect USB devices such as mobile hard disk, U disk, USB keyboard and mouse, USB drives, etc.
8	HDMI OUT	Connect to the devices with HDMI input function
9	3.0	USB 3.0,connect USB devices such as mobile hard disk, U disk, USB keyboard and mouse, USB drives, etc.
10	TOUCH	Touch signal output to the external computer
11	HDMI IN	High-definition multimedia interface signal input, connect to devices with HDMI output interface (personal computer with HDMI output, set-top box, or another video device)
12	AC IN	AC power input, connect AC power supply
13	AC SWITCH	To open or shut down AC power supply. "I" means power on, "O" means power off

Please note: ProColor Series 3 flat panels can only be used horizontally in a table top for 90 minutes before needing to be returned to a vertical position. They must remain in a vertical position for a minimum of 30 minutes before they can put into a tilted configuration again.

Specifications are subject to change without notice.

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