

THIS DOCUMENT CONTAINS SPECIFICATIONS FOR

ActivWall 102" and ActivWall 135" (available in Q1 of 2016)

DESCRIPTION

The ActivWall is an all-in-one collaborative interactive learning system, offering multi-touch interactivity, high-resolution viewing, and dry-erase writing. The state-of-the-art classroom technology system includes a large interactive surface, a DLP HD solid-state projector, stereo speakers, interactive cloud-based software and a wireless mirroring system.

Directly from the home screen, you can browse the web, start a white-boarding session, and wirelessly connect to mirror mobile devices, including smartphones, tablets and laptops.

Benefits include:

- **New learning opportunities** - Transform classrooms into an interactive learning environment with a large dry-erase and interactive surface that supports whole-class, small-group and individual learning.
- **Team based collaboration** - ActivWall enables the teacher to divide the wall into independent learning spaces to work individually or collectively.
- **Mirror and View Content from Mobile Devices** - Share digital learning resources (apps, games, documents, web pages, etc.) from mobile devices to the ActivWall for whole class viewing and interaction. Capture and save all notes and annotations.
- **Assess student understanding** - Teachers can gather feedback by polls to students and have them respond using any connected mobile device.
- **Interactivity** - 20 touch points and 4 digital pens*.
- **Solid-State Projector** - A DLP solid-state projector that delivers long-lasting illumination, brilliant color, and a 20,000-hour light source with no lamp replacement. The projector is environmentally friendly with no mercury and low power options.
- **Simplicity** - The projector's near instant power on and off, and auto calibration makes it easy to get started. Teachers and students can share ideas and collaborate in an instant without connecting to a computer!

SYSTEM OVERVIEW

Installation	Promethean recommends that the product is installed by a trained Promethean Installer. Use of components not supplied by Promethean or not meeting minimum specifications may impact performance and affect warranty. Contact your Promethean partner or visit www.PrometheanKB.com for more information.
Warranty	For Promethean Warranty Terms and Conditions, please visit: www.PrometheanWorld.com/ActivCare
Support	For Online Support for all Promethean Products, please visit: www.PrometheanKB.com

TECHNICAL SPECIFICATIONS

DISPLAY	ActivWall 102"	ActivWall 135"
System Size	2,313mm x 1,796mm ±40mm (91" x 70.7" ±1.6")	3,268mm x 1,792mm ±40mm (128.7" x 70.6" ±1.6")
Minimum Wall Width (system + clearance distance for laser)	2,313mm + 300mm (91.1" + 11.8")	3,265mm + 300mm (128.7" + 11.8")
Recommended Minimum Ceiling Height and Distance Above Floor	600mm (23.6") above floor + 1796 mm (70.7") product height for a total ceiling height of 2,396mm (94.3")	600mm (23.6") above floor + 1,792 mm (70.6") product height for a total ceiling height of 2,392mm (94.2")
Network	Wi-Fi and/or Ethernet	Wi-Fi and/or Ethernet

DRY-ERASE / INTERACTIVE SURFACE

Description	Large dry-erase / interactive surface	Large dry-erase / interactive surface
Size (w x h)	2,313mm x 1,395mm (91.1" x 55")	3,265mm x 1,285mm (128.7" x 50.7")
Viewable Surface (w x h)	2,258mm x 1,270mm (88.9" x 50")	3,211mm x 1,204mm (126.4" x 47.4")
Aspect Ratio	16:9	16:6
Packed Contents List	1 x dry-erase / interactive surface, 1 x wall mount	2 x dry-erase / interactive surface, 1 x wall mount
Pack Weights and Dimensions (w x h x d)	42Kg (92.6 lb) 2,503mm x 1,532mm x 130mm (98.5" x 60.3" x 5.1")	63Kg (138.9 lb) 2220mm x 1455mm x 235mm (87.4" x 57.3" x 9.3")

PROJECTOR

Description	Solid-State Illumination Full HD Projector	Solid-State Illumination Ultra-Wide (16:6) Projector
Native Resolution	1920 x1080	1920 x 720
Typical Colors	16.77 million colours	16.77 million colours
Aspect Ratio	16 : 9	16 : 6
Brightness (Normal Max)	3300 Lumens	3000 Lumens
Brightness Eco	3000 Lumens	2700 Lumens
Contrast Ratio (Active Dynamic/Native)	10000:1 / 1800:1	10000:1 / 1800:1
Focal Length	F=2.4	F=2.4
Throw Ratio	0.25	0.25
Projection Distance	232.7mm – 316.3mm (9.2" – 12.5")	466.5mm – 586.4mm (18.4" – 23.1")
Projection Screen Size	2,210mm – 2,591mm (87" - 102")	3,048mm – 3,556mm (120" - 140")
Light Source	Laser	Laser
Light Source Lifetime	20,000hrs	20,000hrs
Acoustic Noise Normal	36dB	36dB
Acoustic Noise Eco	32dB	35dB
Power Supply & Consumption High	335W	335W
Power Supply & Consumption Eco	225W	225W
Standby (without LAN function)	<0.5W	<0.5W
Standby (with LAN function)	<3W	<3W

TECHNICAL SPECIFICATIONS

PROJECTOR	ActivWall 102"	ActivWall 135"
HDMI	x 2 HDMI2 with MHL1.3 support , HDMI : 1.4a, HDCP : 1.3, Video Standard : 480i/480p/576i/576p/720p/1080i/1080p PC Graphics : up to UXGA (1600x1200@60Hz)	x 2 HDMI2 with MHL1.3 support, HDMI : 1.4a, HDCP : 1.3 Video Standard : 480i/480p/576i/576p/720p/1080i/1080p PC Graphics : up to UXGA (1600x1200@60Hz)
Input VGA	x 2 VGA Video Standard : 480i/480p/576i/576p/720p/1080i/1080p PC Graphics : up to UXGA (1600x1200@60Hz)	x 2 VGA Video Standard : 480i/480p/576i/576p/720p/1080i/1080p PC Graphics : up to UXGA (1600x1200@60Hz)
Output VGA	x 1 Loop through VGA input	x 1 Loop through VGA input
Video	x 1 RCA (yellow), Video Standard : 480i/576i	x 1 RCA (yellow), Video Standard : 480i/576i
Stereo Audio in	x 2 Composite Audio: RCA-Left (white) / RCA-Right (red) Stereo: 3.5mm jack / stereo	x 2 Composite Audio: RCA-Left (white) / RCA-Right (red) Stereo: 3.5mm jack / stereo
Microphone input	x 1 3.5mm Microphone Jack (pink) / mono	x 1 3.5mm Microphone Jack (pink) / mono
Stereo Audio out	x 1 3.5mm Audio Jack (green) / stereo	x 1 3.5mm Audio Jack (green) / stereo
Mini USB	x 1 Mini USB1.0 for firmware upgrade	x 1 Mini USB1.0 for firmware upgrade
USB A	x 1 USB2.0	x 1 USB2.0
RS-232	x 1 DB-9 female/19200bps for projector control	x 1 DB-9 female/19200bps for projector control
RJ-45	x 1 Fast Ethernet (100Base-T) for remote projector control (Crestron / AMX / PJ-Link)	x 1 Fast Ethernet (100Base-T) for remote projector control (Crestron / AMX / PJ-Link)
Dimensions (w x d x h)	383mm x 310mm x 86mm (15.1" x 12.2" x 3.4")	383mm x 310mm x 86mm (15.1" x 12.2" x 3.4")
Weight	5.5kg (12.1lb)	5.5kg (12.1lb)
Colour	White/Grey	White/Grey
Device Type	DLP	DLP
Focus	Manual	Manual
Zoom	N/A	N/A
Operating Temperature	5°C ~ 40°C / 5%~90% without condensation	5°C ~ 40°C / 5%~90% without condensation
Keystone Correction	±40	±40
Security	Kensington Lock	Kensington Lock
On-Screen Menu	English / German / French / Italian / Spanish / Polish / Swedish / Dutch Portuguese / Japanese / Traditional Chinese / Simplified Chinese / Korean / Russian / Arabic / Norse / Turkish	English / German / French / Italian / Spanish / Polish / Swedish / Dutch Portuguese / Japanese / Traditional Chinese / Simplified Chinese / Korean / Russian / Arabic / Norse / Turkish
Advanced Features	3D Ready, Crestron Room-View Express, Near Instant Power On and Off, 20,000 hours lamp life	3D Ready, Crestron Room-View Express, Near Instant Power On and Off, 20,000 hours lamp life
Packed Contents List	Projector, 3m HDMI Cable, 3m Power Cable, Remote Control, Owner's Manual (CD Rom)	Projector, 3m HDMI Cable, 3m Power Cable, Remote Control, Owner's Manual (CD Rom)
Pack Weights and Dimensions	Box 1 of 1 : 8.67kg (19.15lbs) 483mm x 420mm x 328mm (19" x 16.5" x 12.9")	Box 1 of 1 : 8.67kg (19.15lbs) 483mm x 420mm x 328mm (19" x 16.5" x 12.9")
CE	Yes	Yes
CB Scheme	Yes	Yes
FCC	Yes	Yes
IC	Yes	Yes
CUL	Yes	Yes

TECHNICAL SPECIFICATIONS

AUDIO	ActivWall 102"	ActivWall 135"
Description	Forward-facing speakers	Forward-facing speakers
Total Power	2 x 18W	2 x 18W
Frequency Response	80Hz~20KHz	80Hz~20KHz
Signal to Noise	≥70dB	≥70dB
Power Supply	100v / 240v – 50/60Hz, 1.5A Max	100v / 240v – 50/60Hz, 1.5A Max
Power Use (Standby)	<0.5w	<0.5w
Audio Inputs	x 1 3.5mm Audio Jack (green) / stereo	x 1 3.5mm Audio Jack (green) / stereo
Packed Contents List	1x RHS Speaker, 1x LHS Speaker, 4x Speaker Bracket, 1x PSU, 1x 3m UK Mains Cable, 1x 3m US Mains Cable, 1x 3m EU Main Cable, 1x PSU Bracket, 1x 3m 3.5mm Stereo Jack to 3.5mm Stereo Jack Audio Cable, 1x 2m RCA to RCA Audio Cable, 1x Remote Control, 1x User Guide, 1x Fixing Kit	1x RHS Speaker, 1x LHS Speaker, 4x Speaker Bracket, 1x PSU, 1x 3m UK Mains Cable, 1x 3m US Mains Cable, 1x 3m EU Main Cable, 1x PSU Bracket, 1x 3m 3.5mm Stereo Jack to 3.5mm Stereo Jack Audio Cable, 1x 2m RCA to RCA Audio Cable, 1x Remote Control, 1x User Guide, 1x Fixing Kit
Weight and Dimensions	Net Weight: 4kg (8.8 lb) Size: TBC Gross Weight: TBC Packed Dims: 650mm X 448mm X 202mm	Net Weight: 4kg (8.8 lb) Size: TBC Gross Weight: TBC Packed Dims: 650mm X 448mm X 202mm
CE	Yes	Yes
CB Scheme	Yes	Yes
FCC	Yes	Yes
IC	Yes	Yes
CUL	Yes	Yes
INTERACTIVITY		
Description	Multi-touch, multi-pen collaborative surface	Multi-touch, multi-pen collaborative surface
System	Windows 7 to 10; Mac OS X 10.8 – 10.10;	Windows 7 to 10; Mac OS X 10.6 – 10.10;
Continuous Touch Points	20	20
Digital Pens	4 (1 x Teacher and 3 x Student Pens)	4 (1 x Teacher and 3 x Student Pens)
OS Pen & Touch Support	Windows 7 or later – native multi-touch and single-pen as mouse in any software. Full multi-touch and single-pen in ClassFlow Desktop & ActivInspire. Mac OSX 10.8 or later - single touch or pen (mouse) in any software. Full multi-touch and single-pen support in ClassFlow Desktop & ActivInspire	Windows 7 or later – native multi-touch and single-pen as mouse in any software. Full multi-touch and single-pen in ClassFlow Desktop & ActivInspire. Mac OSX 10.8 or later - single touch or pen (mouse) in any software. Full multi-touch and single-pen support in ClassFlow Desktop & ActivInspire
Technology	Laser Curtain	Laser Curtain
Resolution	32,678 x 32,678	32,678 x 32,678
Object size resolution	Minimum 8mm	Minimum 8mm
Resolving Capacity	30mm separation	30mm separation
Positioning Accuracy	+/-2mm>90% surface, +/-14mm 100% surface	+/-2mm>90% surface, +/-14mm 100% surface
Tracking rate	5m/sec	5m/sec
Output rate	125Hz	125Hz
Response Time	15ms	15ms

TECHNICAL SPECIFICATIONS

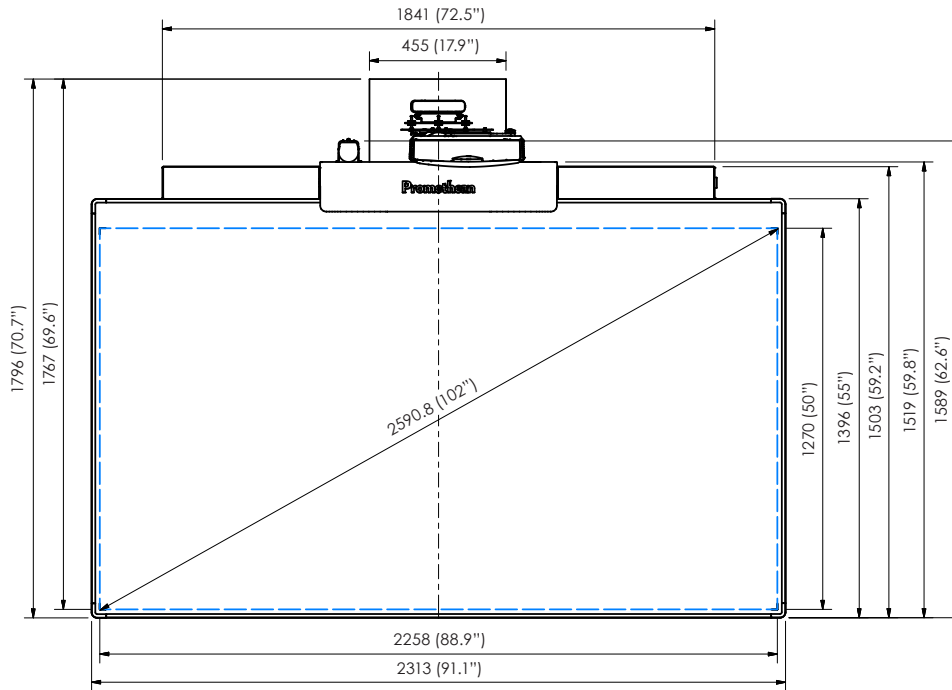
INTERACTIVITY	ActivWall 102"	ActivWall 135"
Start-up Time	≤10 sec	≤10 sec
Service Life	20,000 hours for Projector; > 20,000 hours for laser curtain	20,000 hours for Projector; > 20,000 hours for laser curtain
CE	Yes	Yes
CB Scheme	Yes	Yes
FCC	Yes	Yes
IC	Yes	Yes
CUL	Yes	Yes
CLASSFLOW CONNECT		
Description	Wireless mirroring and lesson delivery device	Wireless mirroring and lesson delivery device
Applications	Instant whiteboard, annotate over mirrored displays, multi-user web browser, ClassFlow Drive and polling	Instant whiteboard, annotate over mirrored displays, multi-user web browser, ClassFlow Drive and polling
Supported Operating Systems	Windows® 7/8.0 through Sender App Windows® 8.1 through MiraCast Mac OS®X 10.8+ AirPlay® Compatible Devices Android™ 4.0 and later with MiraCast iOS™ 5.0 and later with AirPlay®	Windows® 7/8.0 through Sender App Windows® 8.1 through MiraCast Mac OS®X 10.8+ AirPlay® Compatible Devices Android™ 4.0 and later with MiraCast iOS™ 5.0 and later with AirPlay®
Frame Rate	Up to 30 FPS	Up to 30 FPS
Output Resolution	HDMI: 1920 x 1080 @ 60Hz DP: 2560 x 1600 @ 60Hz	HDMI: 1920 x 1080 @ 60Hz DP: 2560 x 1600 @ 60Hz
Noise Level	13db (Fanless)	13db (Fanless)
Simultaneous Screen Sources	Yes	Yes
Supports Simultaneous MiraCast and Airplay Sessions	Yes	Yes
Dual Simultaneous Network Connectivity	Yes, Wi-Fi and Ethernet connections with distinct network addresses with no data bridging between networks	Yes, Wi-Fi and Ethernet connections with distinct network addresses with no data bridging between networks
ClassFlow Drive Integration	Yes, provides direct access to ClassFlow Drive to quickly present your ClassFlow lessons or any other resources stored in the drive	Yes, provides direct access to ClassFlow Drive to quickly present your ClassFlow lessons or any other resources stored in the drive
Audio	2-channel high definition audio Audio pass through HDMI & DP connection along with video Jack-sensing compatible Optical SPDIF Microphone Jack Remote volume control	2-channel high definition audio Audio pass through HDMI & DP connection along with video Jack-sensing compatible Optical SPDIF Microphone Jack Remote volume control
Mirroring Compatibility	Compatible with MiraCast and Airplay enabled devices	Compatible with MiraCast and Airplay enabled devices
Authentication Protocol	WPA2-PSK; 802.1x; intel-cck	WPA2-PSK; 802.1x; intel-cck
Encryption	AES; WEP	AES; WEP
Wireless Transmission Protocol	IEEE 802.11 a/b/g/n/ac Fully Qualified Bluetooth 4.0 (disabled)	IEEE 802.11 a/b/g/n/ac Fully Qualified Bluetooth 4.0 (disabled)
Data Rate Wireless	High Speed Connection up to 867Mbps	High Speed Connection up to 867Mbps
Band	2.4 GHZ and 5 GHZ	2.4 GHZ and 5 GHZ
Power	External power adaptor 19V DC input (included in set)	External power adaptor 19V DC input (included in set)

TECHNICAL SPECIFICATIONS

CLASSFLOW CONNECT	ActivWall 102"	ActivWall 135"
Connections	1x Gigabit (10/100/1000Mbps) Ethernet LAN 2x USB 2.0 (white list of class of devices) 4x USB 3.0 (white list of class of devices) SD/SDHC/SDXC card reader (disabled) eSATA port (disabled)	1x Gigabit (10/100/1000Mbps) Ethernet LAN 2x USB 2.0 (white list of class of devices) 4x USB 3.0 (white list of class of devices) SD/SDHC/SDXC card reader (disabled) eSATA port (disabled)
Operating Temperature Range	0 - 40 C 32 - 104 F	0 - 40 C 32 - 104 F
Humidity	65% Test Condition	65% Test Condition
Lifetime	MTBF = 40,000h (90% confidence level) MTBF = 100,000h (60% confidence level) MTBF conditions: Environment: Ground Benign Temperature: 25°C Method: MILHDBK217F Notice 2	MTBF = 40,000h (90% confidence level) MTBF = 100,000h (60% confidence level) MTBF conditions: Environment: Ground Benign Temperature: 25°C Method: MILHDBK217F Notice 2
Overall Dimensions	127 mm x 127 mm x 45 mm	127 mm x 127 mm x 45 mm
Packed Dimensions	255 mm x 205 mm x 95 mm	255 mm x 205 mm x 95 mm
Net Weight	0.605 Kg (For the Mini PC with Antenna only)	0.605 Kg (For the Mini PC with Antenna only)
Packed Weight	1.375 Kg	1.375 Kg
Packed Contents	1 x ClassFlow Connect Device, 1 x AC to DC Power Adapter, 3 x Mains Power Lead (USA, EU, UK), 1 x Power Cord, 1 x Wi-Fi Antenna, 1 x VESA Mount, 4 x Rubber Pad, 4 x VESA Mounting Screws	1 x ClassFlow Connect Device, 1 x AC to DC Power Adapter, 3 x Mains Power Lead (USA, EU, UK), 1 x Power Cord, 1 x Wi-Fi Antenna, 1 x VESA Mount, 4 x Rubber Pad, 4 x VESA Mounting Screws
CE	Yes	Yes
CB Scheme	Yes	Yes
FCC	Yes	Yes
IC	Yes	Yes
CUL	Yes	Yes

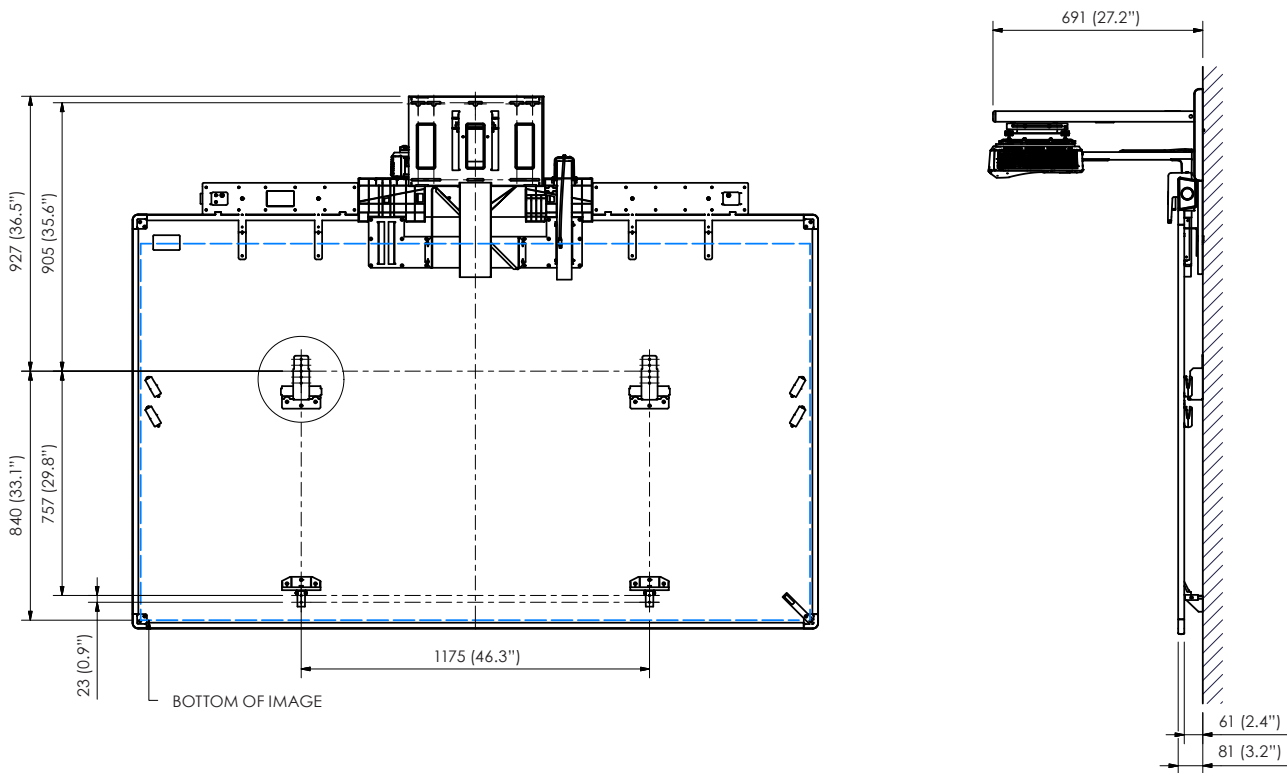
ACTIVWALL 102" TECHNICAL DRAWING

FRONT



BACK

SIDE



ActivWall SS 11/15 V1

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ACTIVWALL 135" TECHNICAL DRAWING

FRONT

