

THIS DOCUMENT CONTAINS SPECIFICATIONS FOR

ActivWall 102" and ActivWall 135"

DESCRIPTION

The ActivWall is an all-in-one 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 sending polls to students and have them respond using any connected mobile device.
- **Interactivity** - ActivWall supports up to 20 touch points and 4 digital pens*.
- **Solid-State Projector** - The environmentally-friendly DLP solid-state projector delivers long-lasting illumination, brilliant color, and a 20,000-hour light source with no lamp replacement.
- **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 qualified 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 Support.PrometheanWorld.com for more information.
Warranty	3-Year Warranty Included. For more information, visit PrometheanWorld.com/ActivCare
Support	For Online Support for all Promethean Products, visit Support.PrometheanWorld.com

TECHNICAL SPECIFICATIONS

DISPLAY

	ActivWall 102"	ActivWall 135"
Description	Large dry-erase / interactive surface	Large dry-erase / interactive surface
Overall 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")
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
Minimum Wall Width (system + clearance distance for laser)	2,313mm + 300mm (91.1" + 11.8")	3,265mm + 300m (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
Packed Contents List	1 x dry-erase / interactive surface, 1 x wall mount	2 x dry-erase / interactive surface, 1 x wall mount
Packed 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 Projector
Native Resolution	1920 x1080	1920 x 720
Typical Colors	16.77 million colors	16.77 million colors
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)
Device Type	DLP	DLP
Focus	Manual	Manual
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)
Packed 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")
Compliance & Certification	CE, CB, FCC, IC, CUL	CE, CB, FCC, IC, CUL
AUDIO		
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

TECHNICAL SPECIFICATIONS

AUDIO Continued	ActivWall 102"	ActivWall 135"
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) Packed Dims: 650mm X 448mm X 202mm	Net Weight: 4kg (8.8 lb) Packed Dims: 650mm X 448mm X 202mm
Compliance & Certification	CE, CB, FCC, IC, CUL	CE, CB, FCC, IC, CUL
INTERACTIVITY		
Description	Multi-touch, multi-pen collaborative surface	Multi-touch, multi-pen collaborative surface
OS Compatibility	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, 8, 8.1 & 10; Mac OSX 10.8 – 10.12.1; Note OSX 10.12 is not supported. Up to 20 touches or 4 pens. Alternatively, 16 touches and 4 pens with pen and touch differentiation. (Use cases depend on native modules used in ClassFlow Connect)	Windows 7, 8, 8.1 & 10; Mac OSX 10.8 – 10.12.1; Note OSX 10.12 is not supported. Up to 20 touches or 4 pens. Alternatively, 16 touches and 4 pens with pen and touch differentiation. (Use cases depend on native modules used in ClassFlow Connect)
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
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
Compliance & Certification	CE, CB, FCC, IC, CUL	CE, CB, FCC, IC, CUL
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
Mirroring Compatibility	iOS™ 5.0 and above with AirPlay® (no app loading required); Mac OS® X 10.8/10.9/10.10; AirPlay® Compatible Devices (no app loading required); Windows® 7/8.0 and above with ActivCast™; Android™ 5.0 and above with ActivCast™; Chrome OS™ with ActivCast™	iOS™ 5.0 and above with AirPlay® (no app loading required); Mac OS® X 10.8/10.9/10.10; AirPlay® Compatible Devices (no app loading required); Windows® 7/8.0 and above with ActivCast™; Android™ 5.0 and above with ActivCast™; Chrome OS™ with ActivCast™
Frame Rate	Up to 30 FPS	Up to 30 FPS

ActivWall SS 06/17 v1.2

TECHNICAL SPECIFICATIONS

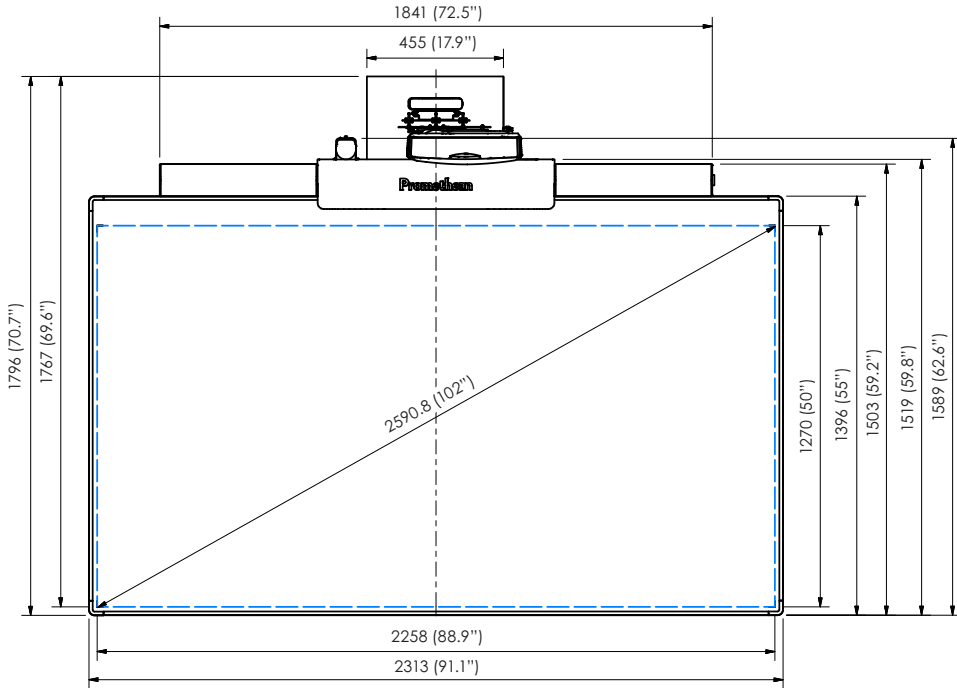
CLASSFLOW CONNECT
Continued

	ActivWall 102"	ActivWall 135"
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 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
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)
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
Compliance & Certification	CE, CB, FCC, IC, CUL	CE, CB, FCC, IC, CUL

ActivWall SS 06/17 v1.2

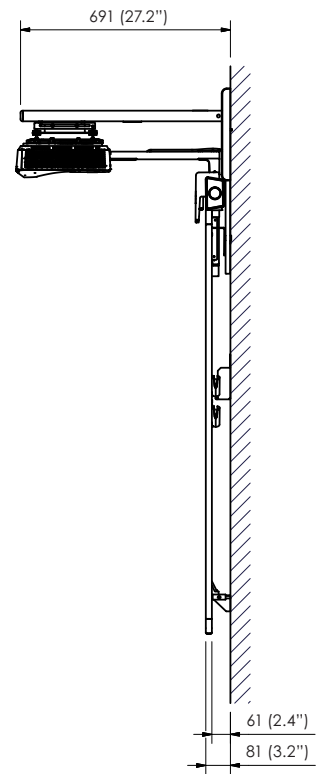
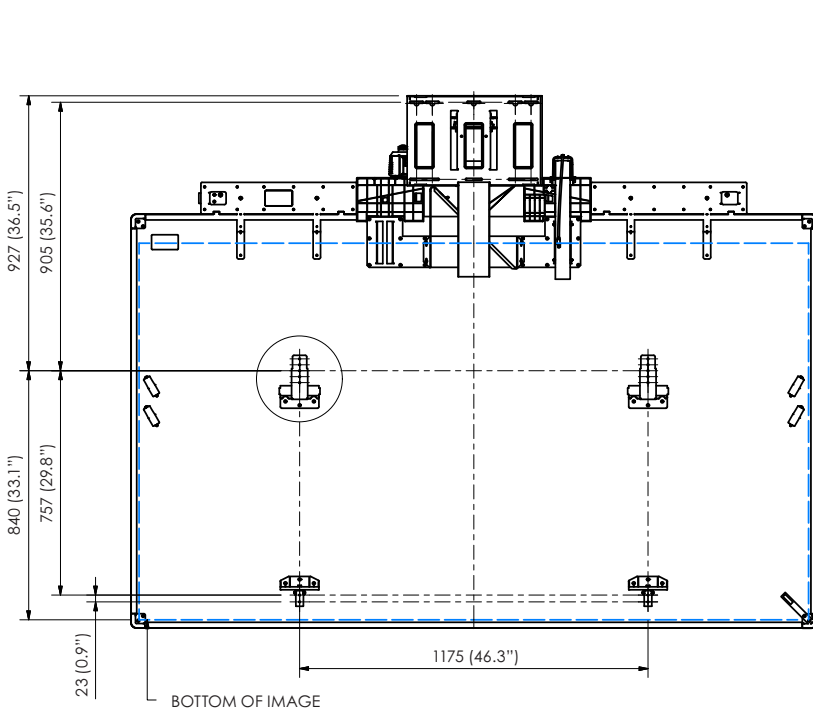
ACTIVWALL 102" TECHNICAL DRAWING

FRONT



BACK

SIDE



ACTIVWALL 135" TECHNICAL DRAWING

FRONT

