

Specifications

VLS 3001/3002/3002H

Overall system

Operating range.....	40' x 40' minimum coverage
Reception area.....	1600 square feet (148.6 square meters) minimum
Radio frequency.....	1900 MHz
Vibration	ISTA 1A in carton (International Safe Transit Association)
Regulatory compliance	
EMI/EMC.....	FCC Class B
Environmental.....	Complies with the appropriate requirements of RoHS and WEEE
Warranty	
Product	3 years parts and labor
Microphone battery	90 days

VLP 302 Pendant Microphone

User controls	Power, volume, and function
Audio input	
Number/signal type	1 mono, via integrated MEMS microphones 1 mono, unbalanced, via auxiliary mic input jack
Connector	(1) 3.5 mm mini audio jack (tip = audio signal/bias voltage, sleeve = GND)
Batteries	
Number/type	1 AA size NiMH or alkaline battery
Operating life	Rechargeable 2400 mAh NiMH batteries: min. 8 hours, continuous use Alkaline batteries: min. 8 hours, continuous use
Recharging time	~5 hours for a 2400 mAh NiMH battery
Enclosure dimensions	3.0" H x 1.47" W x 1.2" D* (7.6 cm H x 3.7 cm W x 3.0 cm D*) *Depth includes clip. Depth without clip = 0.9", 2.3 cm
Product weight	1.2 oz (34 g) without battery 2.2 oz (62 g) with battery
Regulatory compliance	
Safety	UL, c-UL, FCC Class B
Accessibility.....	Section 508 of the Rehabilitation Act (29 U.S.C. 794d)

VLH 302 Handheld Microphone

User controls	Power, volume, and link
Audio input	
Number/signal type	1 mono, via integrated MEMS microphones 1 stereo, unbalanced, via auxiliary line level input jack
Connectors	(1) 3.5 mm mini audio jack (tip = left channel audio, ring= right channel audio, sleeve = GND)
Batteries	
Number/type	1 AA size NiMH or alkaline battery
Operating life	Rechargeable 2400 mAh NiMH batteries: min. 8 hours, continuous use Alkaline batteries: min. 8 hours, continuous use
Recharging time	~5 hours for a 2400 mAh NiMH battery
Enclosure dimensions	8.0" H x 1.8" (max) diameter (20.2 cm H x 4.6 cm [max] diameter)

Specification • VLS 3001/3002/3002H (Continued)

Product weight	4.0 oz (113 g) without battery 5.0 oz (142 g) with battery
Regulatory compliance	
Safety	UL, c-UL, FCC Class B
Accessibility	Section 508 of the Rehabilitation Act (29 U.S.C. 794d)

VLR 302 Receiver

User controls	2 normally open relays 1 RS-232 port (38400 baud, 8 data bits, 1 stop bit, no parity) via RJ-45 1 USB
Mounting	Rack, ceiling, or wall mountable
Power input requirements	12 VDC, 0.2 A
Enclosure dimensions	1.66" H* x 2.15" W x 4.50" D (4.2 cm H x 5.5 cm W x 11.4 cm D) *Height is measured out from the mounting surface.
Product weight	0.25 lbs (0.11 kg)
Regulatory compliance	
Safety	UL, c-UL, FCC Class B

VLC 302 Charging Station

External power supply	110 VAC to 130 VAC, 50-60 Hz, external; to 5 VDC, 2.6 A, regulated USB Micro B
Power input requirements	5 VDC, 0.5 A
Enclosure dimensions	1.5" H x 4.4" W x 3.4" D (3.9 cm H x 11.3 cm W x 8.6 cm D)
Product weight	0.66 lbs (0.3 kg)
Regulatory compliance	
Safety	UL, c-UL
Environmental	Complies with the appropriate requirements of ENERGY STAR® (ENERGY STAR qualified power supply, efficiency level VI).

PVS 407D switcher/power amplifier

VoiceLift receiver input	1 female RJ-45, -10 dBV (316 mVrms) nominal level
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NOTE: All nominal levels are at $\pm 10\%$.

Audio output	
Number/signal type	1 line output, stereo/mono, balanced/unbalanced, fixed/variable 1 power amplifier, stereo or dual mono (default), 2 channels total
Connectors	(1) 3.5 mm captive screw connector, 5 pole (1) 5.0 mm captive screw connector, 4 pole

NOTE: Unbalanced wired outputs produce 6 dB of attenuation. Balanced output has unity gain/attenuation.

Power amplifier	
Amplifier type	Class D
Impedance	4/8 ohms (single channel) 4/8 ohms (stereo)
Output power	25 watts (rms) per channel (1 watt tolerance) at 4/8 ohms, 20 Hz to 20 kHz, 1% THD
General	
Power supply	External Input: 100-240 VAC, 50-60 Hz Output: 12 VDC, 4 A, 48 watts
Power input requirements	12 VDC, 4 A
Mounting	
Wall mount	Yes, with optional wall mounting kit
Pole mount	Yes, with optional pole mounting kit
Ceiling mount	Yes, with optional ceiling mount

Specification • VLS 3001/3002/3002H (Continued)

Enclosure dimensions.....	1.9" H x 13.5" W x 3.5" D (4.8 cm H x 34.3 cm W x 8.9 cm D)
Product weight	2.9 lbs (1.3 kg), including power supply (1.1 lbs [0.5 kg])
Regulatory compliance	
Safety	CE, c-UL, UL UL listed for use in plenum airspaces: meets UL 2043 for heat and smoke release, excluding the power supply; meets UL 60065 for safety.
EMI/EMC	CE, C-tick, FCC Class A, ICES, VCCI
Environmental	Complies with the appropriate requirements of RoHS, WEEE

FF 120 Flat Field® Speakers

Power capacity	16 W (rms) continuous pink noise 32 W (rms) continuous program
Nominal coverage angle.....	170° conical coverage
Nominal impedance	8 ohms per speaker
Mounting	Drops into a 2' x 2' (61 cm x 61 cm) or 2' x 4' (61 cm x 122 cm) suspended tile
Enclosure outer dimensions	3.25" H x 23.75" W x 11.75" D (8.3 cm H x 60.3 cm W x 29.9 cm D)
Product weight	Single: 4.7 lbs (2.1 kg)
Regulatory compliance	
Safety	CE, NFPA90A, NFPA70; UL listed for use in plenum airspaces: meets UL 2043 for heat and smoke release; meets UL 1480 for commercial and professional audio systems.

WMK 160 Wall Mount Kit

Mounting	
Wall mount	Yes, with included hardware
Maximum load capacity	15.0 lbs (6.8 kg)
Material	Steel base plate, aluminum cover
Dimensions	
Base plate	17.1" H x 16.4" W x 1.5" D (43.4 cm H x 41.7 cm W x 3.8 cm D)
Cover	17.3" H x 16.5" W x 2.75" D (43.9 cm H x 41.9 cm W x 7.0 cm D)
Product weight	5.5 lbs (2.5 kg)
Vibration	ISTA 1A in carton (International Safe Transit Association)
Regulatory compliance	
Safety	c-UL, UL, OSHPD anchorage pre-approval

NOTE: Specifications are subject to change without notice.

NOTE: Shipping dimensions and weights are available at www.extron.com.

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