

Specifications

WallVault® Systems (Analog)

Overall system

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|-----------------------|--|
| UTP transmission..... | Optimal cable length is 50' - 75' (15 m - 23 m). Minimum = 15' (5 m) Maximum = 125' (38 m) |
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NOTE: Distances were measured at 1024x768, 60 Hz resolution.

Shipping weight

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|--------------|----------------|
| WWS 210..... | 45 lbs (21 kg) |
| WWS 310..... | 47 lbs (22 kg) |
| WWS 410..... | 49 lbs (23 kg) |
| WWS 200..... | 70 lbs (32 kg) |
| WWS 300..... | 72 lbs (33 kg) |
| WWS 400..... | 74 lbs (34 kg) |

Vibration ISTA 1A in carton (International Safe Transit Association)

Warranty 3 years parts and labor

PVS 305SA IP Switcher/Power Amplifier

Video

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|----------------|--|
| Bandwidth..... | RGB: 200 MHz (-3 dB) @ 50' (15 m) of cable Composite video: 100 MHz (-3 dB) |
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Video input

| | |
|--------------------------|---|
| Number/signal type | Inputs 1 and 2: VGA-UXGA RGBHV, RGBS Inputs 3 and 4 (configurable): VGA-UXGA RGBHV, RGBS, or composite video |
| Connectors | 4 pairs female RJ-45 (See the user's manual for pin configurations.) |

Video output

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|--------------------------|--|
| Number/signal type | 1 VGA-UXGA RGBHV, RGBS (follows input type) 1 composite video |
| Connectors | 1 female 15-pin HD 1 female RCA |

Audio input

| | |
|-------------------------------|--|
| Number/signal type | 4 proprietary signals from Extron PVT Series wallplates and transmitters 1 stereo, balanced/unbalanced (input 5) |
| Connectors | 4 female RJ-45 (2 shared with RGB inputs, 2 shared with configurable RGB/composite video inputs) 1 female 3.5 mm captive screw connector, 5 pole (input 5) |
| VoiceLift receiver input..... | 1 female RJ-45, -10 dBV (316 mVrms) nominal level |

Audio output

| | |
|--------------------------|---|
| Number/signal type | 1 line output, stereo/mono, balanced/unbalanced 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.

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|----------------------------|---|
| Power amplifier | |
| Amplifier type..... | Class D |
| Impedance | 2/4/8 ohms (single channel) 2/4/8 ohms (stereo) |
| Output power | 25 watts (rms) per channel (1 watt tolerance) at 2/4/8 ohms, 20 Hz to 20 kHz, 1% THD |
| Ethernet control interface | |
| Switch type | Unmanaged |
| Ethernet ports | 4 female RJ-45 with built-in link/speed and activity LEDs |
| Ethernet data rate..... | 10/100Base-T (10/100 Mbps) with autodetect |
| General | |
| Power supply | External Input: 100-240 VAC, 50-60 Hz Output: 12 VDC, 5 A |
| Mounting | |
| Surface mount..... | Yes, with optional surface mounting enclosure kit |
| Enclosure dimensions..... | 1.8" H x 10.1" W x 3.0" D (4.5 cm H x 25.7 cm W x 7.6 cm D) |
| Product weight | 2.6 lbs (1.2 kg), plus power supply (0.9 lbs [0.4 kg]) |
| Regulatory compliance | |
| Safety | CE, c-UL, UL UL rated 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 |

PVT CV D, PVT RGB D, PVT RGB D Plus Wall Plates

NOTE: These transmitters are compatible only with an Extron PoleVault® Switcher (PVS). They are not compatible with other models of twisted pair receivers.

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|------------------------------|---|
| Video | |
| Gain | Unity |
| Video input and loop-through | |
| Number/signal type | |
| PVT RGB D | 1 VGA-UXGA RGBHV, RGBS |
| PVT RGB D Plus..... | 1 VGA-UXGA RGBHV, RGBS 1 buffered RGBHV, RGBS local monitor loop-through |
| PVT CV D | 1 composite video |
| Connectors | |
| PVT RGB D | 1 female 15-pin HD |
| PVT RGB D Plus..... | 2 female 15-pin HD (1 for input, 1 for loop-through) |
| PVT CV D | 1 female RCA |
| Video output | |
| Number/signal type | |
| PVT RGB D | 2 analog proprietary signals |
| PVT RGB D Plus | 2 analog proprietary signals |
| PVT CV D | 1 analog proprietary signal |
| Connectors | |
| PVT RGB D | 2 female RJ-45 |
| PVT RGB D Plus..... | 2 female RJ-45 |
| PVT CV D | 1 female RJ-45 |
| Audio input | |
| Number/signal type | |
| PVT RGB D Plus..... | 2 stereo, unbalanced: 1 input, 1 pass-through |
| PVT RGB D, PVT CV D..... | 1 stereo, unbalanced |

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| Connectors | |
| PVT RGB D | (1) 3.5 mm mini audio jack (tip, ring, sleeve) |
| PVT RGB D Plus..... | (1) 3.5 mm mini audio jack (tip, ring, sleeve) |
| PVT CV D | 1 pair female RCA |
| Audio output to a PoleVault switcher | |
| Number/signal type | 1 analog proprietary signal |
| Connector | 1 female RJ-45 |
| Audio output, pass-through | |
| | PVT RGB D Plus only: 1 stereo, unbalanced |
| Connector | (1) 3.5 mm captive screw connector, 3 pole |
| General | |
| Power..... | Supplied by the PoleVault twisted pair receiver/switcher |
| Power input requirements | |
| PVT RGB..... | 5.5 VDC, 260 mA |
| PVT RGB D Plus..... | 5.5 VDC, 150 mA |
| PVT CV D | 5.5 VDC, 110 mA |
| Mounting | |
| Furniture or wall mount | Yes, with the included decorator-style wallplate |
| Enclosure dimensions | |
| PVT RGB D faceplate | 2.6" H x 1.3" W x 0.3" D (6.6 cm H x 3.3 cm W x 0.7 cm D) (Fits the opening in a 1 gang decorator-style wallplate.) |
| PVT RGB D device | 2.6" H x 1.6" W x 0.7" D (6.6 cm H x 4.1 cm W x 1.8 cm D) (Depth excludes connectors, height excludes mounting tabs.) |
| PVT RGB D Plus, PVT CV D faceplate | 2.8" H x 1.6" W x 0.2" D (7.1 cm H x 4.1 cm W x 0.5 cm D) |
| PVT RGB D Plus, PVT CV D device | 2.7" H x 1.7" W x 1.6" D (6.9 cm H x 4.3 cm W x 4.1 cm D) (Depth excludes connectors, height excludes mounting tabs.) |
| Regulatory compliance | |
| Safety | CE, c-UL, UL |
| EMI/EMC | CE, C-tick, FCC Class A, ICES, VCCI |

MLC 104 IP Plus

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|---------------------------------------|--|
| Control — host ports | |
| Serial host port | 1 bidirectional RS-232 front panel 2.5 mm mini stereo jack |
| Baud rate and protocol..... | 38400, 8 data bits, 1 stop bit, no parity |
| Ethernet host port | 1 RJ-45 female |
| Ethernet data rate..... | 10/100Base-T, half/full duplex with autodetect |
| Ethernet protocol..... | ARP, ICMP (ping), IP, TCP, DHCP, HTTP, SMTP, Telnet |
| Web server | Up to 200 simultaneous sessions 7.25 MB nonvolatile user memory |
| Secondary control panel (SCP)..... | |
| | (1) 3.5 mm 5-pole direct insertion captive screw connector |
| Control — serial ports | |
| Display control port | (1) 3.5 mm direct insertion captive screw connector, 3 pole, for bidirectional RS-232 control (± 5 V) |
| Switcher control port | (1) 3.5 mm direct insertion captive screw connector, 3 pole, for bidirectional RS-232 control (± 5 V) |
| Control — IR port | |
| IR control port | (1) 3.5 mm direct insertion captive screw connector, 2 pole TTL level (0 to 5 V) infrared control up to 1 MHz |

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| Digital I/O control | |
| Number/type | 3 digital input/output (configurable) |
| Connector | (1) 3.5 mm direct insertion captive screw connector, 4 pole |
| General | |
| Power..... | Supplied by the PVS 305SA twisted pair receiver/switcher |
| Power input requirements..... | 12 VDC, 0.285 A (0.305 A if used with an optional IRCM-DV+) |
| Mounting | Wall and furniture mountable |
| Enclosure type..... | High-impact plastic faceplate, metal rear enclosure |
| Enclosure dimensions..... | Faceplate: 4.5" H x 4.6" W x 0.1" D (11.4 cm H x 11.7 cm W x 0.3 cm D) (2 gang) Device: 2.7" H x 3.4" W x 1.8" D (6.9 cm H x 8.6 cm W x 4.6 cm D) (Depth excludes knob and buttons. Fits some 2 gang boxes. Allow at least 1.9" [4.8 cm] depth in the wall or furniture.) |
| Product weight | 1.9 lbs (0.9 kg) |
| Regulatory compliance | |
| Safety | CE, c-UL, UL |
| EMI/EMC | CE, C-tick, FCC Class A, ICES, VCCI |
| Accessibility | Complies with the appropriate requirements of Section 508 of the Rehabilitation Act (29U.S.C.794d). |

USFM 100 (WVS 200, WVS 300, and WVS 400 Systems)

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|------------------------------------|--|
| Mounting | Wall mount with included hardware |
| Maximum projector load capacity... | 20 lbs (9.1 kg) projector weight (does not include the UPB 25) |
| Material..... | Steel (structural parts), plastic (covers), aluminum (boom arm covers) |
| Dimensions | |
| Base plate | 11.1" H x 34.4" W x 2.2" D (28.3 cm H x 87.4 cm W x 5.6 cm D) |
| Base plate with covers | 12.9" H x 36.3" W x 2.7" D (32.9 cm H x 92.2 cm W x 7.0 cm D) |
| Boom arm | 12.5" H x 3.6" W x 21.7 - 31.8" D (31.9 cm H x 9.1 cm W x 55.0 - 80.8 cm D) |
| Boom extension range | 17.5" (44.4 cm) |
| Product weight | 17 lbs (7.7 kg) |

NOTE: Weights exclude the UPB 25.

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| Regulatory compliance | |
| Safety | c-UL, UL |

UPB 25 (WVS 200, WVS 300, and WVS 400 Systems)

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| Adjustment ranges..... | The UPB 25 can be angled within the following ranges to level the projector: ±4° roll ±25° pitch 360° yaw, 10° if flush mounted |
| Maximum load capacity | 25 lbs (11.3 kg) |
| Enclosure type | Steel |
| Projector bracket dimensions..... | 2.2" H x 6.25" W x 5.7" D (5.5 cm H x 15.9 cm W x 14.5 cm D) (Dimensions exclude legs/feet.) |
| Product weight | 3.7 lbs (1.7 kg) |
| Regulatory compliance | |
| Safety | CE, c-UL, UL |

WMK 150 (WVS 210, WVS 310, and WVS 410 Systems)

| | |
|-----------------------------|---|
| Mounting | Wall mount with included hardware |
| Maximum load capacity | 15 lbs (6.8 kg) |
| Material..... | Steel base plate, aluminum cover |
| Dimensions | |
| Base plate | 12.9" H x 15.4" W x 2.0" D (32.7 cm H x 39.0 cm W x 5.1 cm D) |
| Cover | 13.0" H x 15.5" W x 2.75" D (33.0 cm H x 39.4 cm W x 7.0 cm D) |
| Product weight | 4.5 lbs (2.0 kg) |
| Regulatory compliance | |
| Safety..... | c-UL, UL, OSHPD anchorage pre-approval |

FF 120 Flat Field® Speakers

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|----------------------------------|---|
| 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 - speakers for commercial and professional use. |

NOTE: All nominal levels are at ±10%.

NOTE: Specifications are subject to change without notice.

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

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