

APS Products Tech Specifications	Coming	Available	Available	Available	Available	Available	Available
Field Monitor	AMBIENT AMBIENT slave	KLASIK 2020	AETHER	COAX 2	COAX 2 BASS EXTENDER	SUB 10	SUB 12 SUB 12 In-Wall
Type	Near or Surround Active – two power amplifiers – AB class	Near Active – two power amplifiers – AB class	Near-Medium-Far Active – two power amplifiers – AB class	Near-(Medium with BExt) Active – two power amplifiers – AB class	Bass extender Active – high-efficient power amplifier – D class	Subwoofer Active – high-efficient power amplifier – D class	Subwoofer-Extender Active – high-efficient power amplifier – D class
System	Two-way	Two-way	Two-way	Two-way (coaxial)	One-way	One-way	One-way
Crossover Frequency	3.5 kHz	3.2 kHz	2.8 kHz	3.4 kHz	100 Hz	Controlled: 40 – 30 Hz	Controlled: 34 – 120 Hz
Dimensions (with heatsink): Height x Width x Depth	31 cm x 19.2 cm x 28 cm 12.2" x 7.2" x 11"	36 cm x 21 cm x 32 cm 14.2" x 8.3" x 12.6"	44 cm x 25.4 cm x 47.4 cm 17.3" x 10" x 18.7"	33.2 cm x 21.2 cm x 26.2 cm 13.1" x 8.3" x 10.3"	33.2 cm x 27.2 cm x 26.2 cm 13.1" x 10.7" x 10.3"	39 cm x 39 cm x 40 cm 15.4" x 15.4" x 15.7"	49.4 cm x 49.4 cm x 49.4 cm 19.4" x 19.4" x 19.4"
Free Field Frequency Response	± 2 dB: 45 Hz – 25 kHz	± 2 dB: 39 Hz – 25 kHz	± 2 dB: 32 Hz – 42 kHz	± 2 dB: 80 Hz – 20 kHz	± 2.5 dB: 32 Hz – 120 Hz	± 2.5 dB: 19 Hz – 90 Hz	± 2.5 dB: 18 Hz – 100 Hz
SPL <sub>max</sub> in Free Field @ 1m	RMS: 102 dB (single) Peak: 110 dB (pair)	RMS: 105.5 dB (single) Peak: 113.5 dB (pair)	RMS: 109 dB (single) Peak: 117 dB (pair)	RMS: 105 dB (single) Peak: 113 dB (pair)	RMS: 101/105 dB (single) Peak: 109/113 dB (pair)	RMS: 105 dB (single) Peak: 113 dB (pair)	RMS: 110 dB (single) Peak: 118 dB (pair)
Weight (piece)	8 (7) kg / 17.6 (15.4) lbs.	10 kg / 22 lbs.	20 kg / 44.1 lbs.	11 kg / 24.3 lbs.	14 kg / 30.9 lbs.	24 kg / 52.9 lbs.	38 kg / 83.6 lbs.
<b>Loudspeakers</b>							
Bass/Mid-Range Loudspeaker or Bass Loudspeaker (Trinity & Subs)	φ 15 cm (6") Diaphragm: cellulose, surround: rubber	φ 18 cm (7") Diaphragm: cellulose, surround: rubber	φ 22 cm (8 2/3") Diaphragm: hard-cellulose, surround: rubber	φ 18 cm (7") Diaphragm: PPT/TPX, surround: rubber	φ 23 cm (9") Diaphragm: Kevex, surround: rubber	φ 29 cm (11 1/3") Diaphragm: hard paper, surround: rubber	φ 35 cm (13 2/3") Diaphragm: hard paper, surround: rubber
Midrange Loudspeaker							
Tweeter Loudspeaker	φ 1.9 cm (3/4") double magnet Aluminum dome, surround: soft	φ 1.9 cm (3/4") double magnet Aluminum dome, surround: soft	φ 1.9 cm (3/4") Alu/magnesium dome, surround: wide and soft	φ 2.5 cm (1") Fabric dome, Coaxial			
<b>Amplifiers</b>							
Bass/Mid-Range Power Amplifier or Bass Power Amplifier (Trinity & Subs)	55 W RMS @ 15 Ohms	100 W RMS @ 8 Ohms	195 W RMS @ 4 Ohms	100 W RMS @ 8 Ohms	100 W RMS @ 4 Ohms	300 W RMS @ 6 Ohms	450 W RMS @ 7.6 Ohms
Midrange Power Amplifier							
Tweeter Power Amplifier	100 W RMS @ 8 Ohms	100 W RMS @ 8 Ohms	130 W RMS @ 6 Ohms	115 W RMS @ 6 Ohms	0.006 % max @ 1 W; 0.02 % max @ 5 W; 1 kHz; 0.1 % max @ 0.1 up to 50 W, 20 Hz up to 20 kHz	0.004 % max @ 1 W; 0.03 % max @ P <sub>max</sub> / 2, 20 Hz up to 20 kHz	0.005 % max @ 1 W; 0.02 % max @ P <sub>max</sub> / 2, 20 Hz up to 20 kHz
THD Distortions or THD+N (Subwoofers)	0.005 % @ 5 W, 1 kHz; 0.1 % max @ 0.1 up to 50 W, 20 Hz up to 20 kHz	0.005 % @ 5 W, 1 kHz; 0.1 % max @ 0.1 up to 50 W, 20 Hz up to 20 kHz	0.005 % @ 5 W, 1 kHz; 0.04 % max @ 0.1 up to 50 W, 20 Hz up to 20 kHz	0.005 % @ 5 W, 1 kHz; 0.05 % max @ 0.1 up to 50 W, 20 Hz up to 20 kHz	0.006 % max @ 1 W; 0.02 % max @ P <sub>max</sub> / 2, 20 Hz up to 20 kHz	0.004 % max @ 1 W; 0.03 % max @ P <sub>max</sub> / 2, 20 Hz up to 20 kHz	0.005 % max @ 1 W; 0.02 % max @ P <sub>max</sub> / 2, 20 Hz up to 20 kHz
Input Voltage Level	0 dBu (i.e. 0.775 V) – calibrated regulators in 0dB positions - for 100dB SPL in Free Field @ 1m	0 dBu (i.e. 0.775 V) – calibrated regulators in 0dB positions - for 96 dB SPL in Free Field @ 1m	0 dBu (i.e. 0.775 V) – calibrated regulators in 0dB positions - for 100dB SPL in Free Field @ 1m	0 dBu (i.e. 0.775 V) – calibrated regulators in 0dB positions - for 100dB SPL in Free Field @ 1m	0 dBu (i.e. 0.775 V) – calibrated regulators in 0dB posit. - for 96/100dB SPL in Free Field @ 1m*	0 dBu (i.e. 0.775 V) – calibrated regulators in 0dB positions - for 100dB SPL in Free Field @ 1m	0 dBu (i.e. 0.775 V) – calibrated regulators in 0dB positions - for 100dB SPL in Free Field @ 1m
<b>Calibrated Controls</b>							
VOLUME Switch or Switches (Subwoofers) or Input Sensitivity Switch	-10.5dB, -9dB, -7.5dB, -6dB, -4.5dB, -3dB, -1.5dB, 0dB	-10.5dB, -9dB, -7.5dB, -6dB, -4.5dB, -3dB, -1.5dB, 0dB	-10.5dB, -9dB, -7.5dB, -6dB, -4.5dB, -3dB, -1.5dB, 0dB	-10.5dB, -9dB, -7.5dB, -6dB, -4.5dB, -3dB, -1.5dB, 0dB	-4.5dB, -3dB, -1.5dB, 0dB, 1.5dB, 3dB, 4.5dB, 6dB	-4.5dB, -3dB, -1.5dB, 0dB, 1.5dB, 3dB, 4.5dB, 6dB) + (-20dB, -10dB, 0dB)	-4.5dB, -3dB, -1.5dB, 0dB, 1.5dB, 3dB, 4.5dB, 6dB) + (-20dB, -10dB, 0dB)
Tweeter Loudspeaker Level Switch or Phase Switch (Subwoofers)	-	-1.5dB, 0dB, 1.5dB	-1.5dB, 0dB, 1.5dB	-5dB, -3dB, -1.5dB, -0.5dB, 0dB, 0.5dB, 1.5dB, 3dB	-	Phase: 0° / 180°	Phase: 0° / 180°
Bass Controller Switch or Drivers Switch (Trinity) or Unfiltered Switch (Subs)		Bass: Active - switch 1&3, Passive - switch 2 – refer to USER'S MANUAL	Bass: Active - switch 1-4 & 6-8, Passive - 5 – refer to USER'S MANUAL	Extender Link: ON / OFF – refer to USER'S MANUAL		Unfiltered: ON / OFF	Unfiltered: ON / OFF
Equalizer or Bass Boost / Roll Off Switch (Aeon) or Cut Off Switch (Subs)			Room Equalizer: 30, 40, 50, 60, 70, 80, 90, 100Hz - 12dB, -9dB, -6dB, -3dB, -1.5dB, 0dB, 1.5dB, 3dB			CutOff: 40 Hz, 45 Hz, 50 Hz, 57 Hz, 63 Hz, 71 Hz, 80 Hz, 90 Hz	CutOff: 34 Hz, 41 Hz, 49 Hz, 58 Hz, 69 Hz, LFE: 80 Hz, 100 Hz, 120 Hz
Ground-Lift Switch	Ground Lift: ON / OFF	Ground Lift: ON / OFF	Ground Lift: ON / OFF	Ground Lift: ON / OFF	Ground Lift: ON / OFF	Ground Lift: ON / OFF	Ground Lift: ON / OFF
Standby Switch						Standby: ON / OFF	Standby: ON / OFF
AC Voltage Switch	Selector: 115 V / 230 V	115 V or 230 V on request	Selector: 115 V / 230 V	115 V or 230 V on request	115 V or 230 V on request	Selector: 115 V / 230 V	Selector: 115 V / 230 V
<b>Inputs, Outputs</b>							
Input	One type: XLR symmetrical (balanced)	Two types: XLR symmetrical (balanced)	Two types (common socket Combo): XLR symmetrical (balanced) TRS symmetrical (balanced) "6.3 mm"	Two types (common socket Combo): XLR symmetrical (balanced) TRS symmetrical (balanced) "6.3 mm"	One type: XLR symmetrical (balanced)	2 x Three types (including common socket Combo): 2 x XLR symmetrical (balanced) 2 x TRS symmetrical (balanced) "6.3 mm" 2 x RCA asymmetrical (unbalanced)	2 x Three types (including common socket Combo): 2 x XLR symmetrical (balanced) 2 x TRS symmetrical (balanced) "6.3 mm" 2 x RCA asymmetrical (unbalanced)
Output - Loop Through	Input impedance 10 kOhms	Input impedance 10 kOhms	Input impedance 10 kOhms XLR symmetrical	Input impedance 10 kOhms XLR symmetrical	Input impedance 10 kOhms	Input impedance 10 kOhms 2 x XLR symmetrical	Input impedance 10 kOhms 2 x XLR symmetrical
Bypass			Output impedance 100 Ohms	Output impedance 100 Ohms	RCA bypass: ON / OFF	Output impedance 100 Ohms RCA bypass: ON / OFF	Output impedance 100 Ohms RCA bypass: ON / OFF
<b>Protections</b>							
Power Amplifiers Protections	Pop-free start & stop control, thermal, short circuit and overload protections	Pop-free start & stop control, thermal, short circuit and overload protections	Pop-free start & stop control, interference, thermal, short circuit and overload protections	Pop-free start & stop control, interference, thermal, short circuit and overload protections	Pop-free start & stop control, DC-fault detection, overcurrent protection	Pop-free start & stop control, DC-fault detection, overcurrent & overvoltage protection	Pop-free start & stop control, overtemperature protection, overcurrent & overvoltage protection
Circling	LED	LED	LEDs	LEDs		LED	LED
Prevention from Interferences and Hums	GROUND LIFT switch	GROUND LIFT switch	GROUND LIFT switch	GROUND LIFT switch	GROUND LIFT switch	GROUND LIFT switch	GROUND LIFT switch
<b>Signaling Devices</b>							
Power Switching On	Lit up logo – blue LED	Lit up logo – blue LED	Lit up logo – blue or white LED	Lit up logo – blue or white LED	Lit up blue LED	Lit up logo – blue or white LED & lit up green LED (standby orange)	Lit up logo – blue or white LED & lit up green LED (standby orange)
Tweeter Amplifier Overdrive			Lit up logo – green LED	Lit up logo – green LED			
Mid-Range Amplifier Overdrive							
Bass/Midwoofer Amplifier Overdrive	Lit up logo – red LED	Lit up logo – red LED	Lit up logo – red LED	Lit up logo – red LED		Lit up red LED	Lit up red LED