

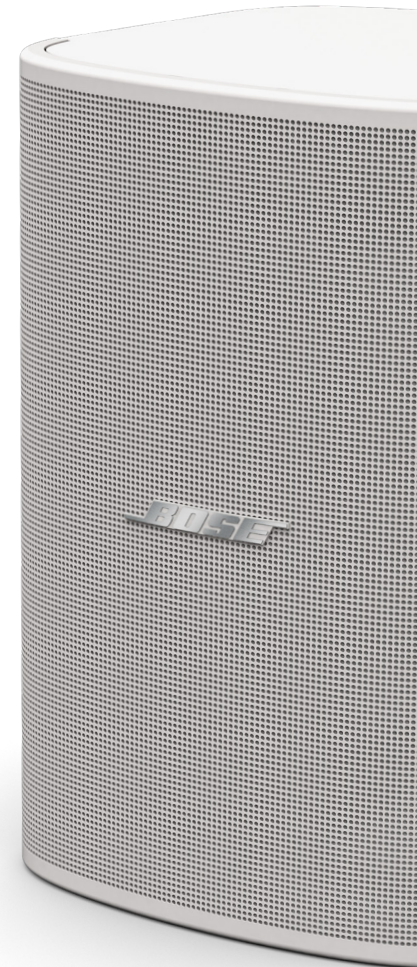
PROFESSIONAL

INSTALLED PRODUCT REFERENCE GUIDE



SURFACE-MOUNT LOUDSPEAKERS

	FreeSpace™		DesignMax™				
	FS2SE	FS4SE	DM3SE	DM5SE	DM6SE	DM8SE	DM10S-SUB
							
Driver Components	1 × 2.25-inch full-range	1 × 4.5-inch full-range	1 × 0.75-inch tweeter 1 × 3.25-inch woofer	1 × 1-inch tweeter 1 × 5.25-inch woofer	1 × 1.25-inch tweeter 1 × 6.5-inch woofer	1 × 1-inch compression driver 1 × 8-inch woofer	1 × 10-inch woofer
Power Handling (Long-term)	20 W	50 W	30 W	60 W	125 W	150 W	300 W
Sensitivity (SPL / 1 W @ 1 m)	87 dB	89 dB	86 dB	89 dB	90 dB	93 dB	90 dB
Max SPL (SPL / 1 W @ 1 m)	100 dB	106 dB	101 dB	107 dB	111 dB	115 dB	115 dB
Freq Response (-3 dB) Freq Range (-10 dB)	95 Hz – 16 kHz 83 Hz – 19 kHz	80 Hz – 16 kHz 70 Hz – 17 kHz	85 Hz – 20 kHz 75 Hz – 20 kHz	73 Hz – 17 kHz 65 Hz – 20 kHz	70 Hz – 20 kHz 59 Hz – 20 kHz	60 Hz – 20 kHz 52 Hz – 20 kHz	41 Hz – 108 Hz 35 Hz – 125 Hz
Nominal Impedance	16 Ω in bypass, multiple transformer taps for 70V/100V operation; highest tap, 16W	8 Ω in bypass, multiple transformer taps for 70V/100V operation; highest tap, 40W	8 Ω in bypass, multiple transformer taps for 70V/100V operation; highest tap, 25W	8 Ω in bypass, multiple transformer taps for 70V/100V operation; highest tap, 50W	8 Ω in bypass, multiple transformer taps for 70V/100V operation; highest tap, 80W	8 Ω in bypass, multiple transformer taps for 70V/100V operation; highest tap, 80W	8 Ω in bypass, multiple transformer taps for 70V/100V operation; highest tap, 150W
Coverage (H × V, or Conical) 1 kHz – 4 kHz Average	145° × 140°	130° × 125°	140° conical	135° conical	125° conical	130° conical	Omnidirectional
Acoustic Technology	—	—	Dispersion Alignment system	Dispersion Alignment system	Dispersion Alignment system	Coaxial compression driver & woofer	—
Dimensions (H × W × D)	182 × 113 × 114 mm 7.1 × 4.4 × 4.5 in	254 × 171 × 174 mm 10.0 × 6.7 × 6.8 in	232 × 154 × 155 mm 9.1 × 6.1 × 6.1 in	286 × 192 × 197 mm 11.2 × 7.5 × 7.7 in	340 × 222 × 229 mm 13.4 × 8.7 × 9.0 in	395 × 249 × 255 mm 15.6 × 9.8 × 10.0 in	502 × 316 × 323 mm 19.8 × 12.5 × 12.7 in
Net Weight	1.43 kg (3.15 lb)	3.08 kg (6.8 lb)	2.5 kg (5.6 lb)	4.38 kg (9.7 lb)	5.93 kg (13.1 lb)	10.3 kg (22.8 lb)	16.1 kg (35.5 lb)
Color Options	Black or white	Black or white	Black or white	Black or white	Black or white	Black or white	Black or white
Environmental	IP55 outdoor, optional aluminum grille	IP55 outdoor, optional aluminum grille	IP55 outdoor, included aluminum grille	IP55 outdoor, included aluminum grille	IP55 outdoor, included aluminum grille	IP55 outdoor, included aluminum grille	Indoor
Installation Technology	—	—	QuickHold; horizontal or vertical installation; repeatable angles	QuickHold; horizontal or vertical installation; repeatable angles	QuickHold; horizontal or vertical installation; repeatable angles	QuickHold; horizontal or vertical installation; repeatable angles	QuickHold; horizontal or vertical installation
Installation Accessories	Included: wall- & ceiling-mount U-bracket Optional: aluminum grille, surface-mount pan-&-tilt bracket, CMB S2 ceiling mount bracket	Included: wall- & ceiling-mount U-bracket Optional: aluminum grille, surface-mount pan-&-tilt bracket, CMB S2 ceiling mount bracket	Included: wall- & ceiling-mount U-bracket Optional: surface-mount pan-&-tilt bracket, CMB S2 ceiling mount bracket	Included: wall- & ceiling-mount U-bracket Optional: surface-mount pan-&-tilt bracket, CMB S2 ceiling mount bracket	Included: wall- & ceiling-mount U-bracket Optional: surface-mount pan-&-tilt bracket, CMB S2 ceiling mount bracket	Included: wall- & ceiling-mount U-bracket Optional: surface-mount pan-&-tilt bracket	Included: wall- & ceiling-mount U-bracket
Certifications	EN 54-24 for voice alarm systems, UL 1480A	EN 54-24 for voice alarm systems, UL 1480A	UL 1480A	UL 1480A	UL 1480A	UL 1480A	UL 1480A
Product Codes	841151-0320 (black, pair) 841151-0420 (white, pair)	841155-0320 (black, pair) 841155-0420 (white, pair)	829712-0120 (black, pair) 829712-0220 (white, pair)	829705-0120 (black, pair) 829705-0220 (white, pair)	829682-0120 (black, pair) 829682-0220 (white, pair)	892116-0100 (black) 892116-0200 (white)	831856-0110 (black) 831856-0210 (white)

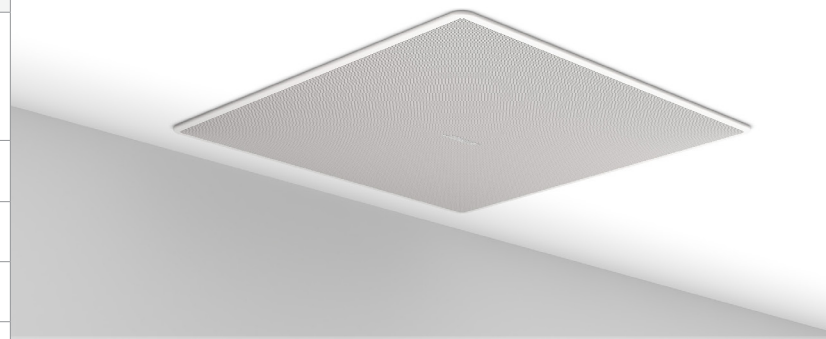


IN-CEILING LOUDSPEAKERS

	FreeSpace™		DesignMax™					
	FS2C	FS4CE	DM2C-LP	DM3C	DM5C	DM6C	DM8C	DM8C-SUB
								
Driver Components	1 × 2.25-inch full-range	1 × 4.5-inch full-range	1 × 2.5-inch full-range	1 × 0.75-inch tweeter 1 × 3.25-inch woofer	1 × 1-inch tweeter 1 × 5.25-inch woofer	1 × 1.25-inch tweeter 1 × 6.5-inch woofer	1 × 1-inch compression driver 1 × 8-inch woofer	1 × 8-inch woofer
Power Handling (Long-term)	20 W	50 W	20 W	30 W	60 W	125 W	150 W	180 W
Sensitivity (SPL / 1 W @ 1 m)	86 dB	88 dB	84 dB	83 dB	87 dB	88 dB	91 dB	89 dB
Max SPL (SPL / 1 W @ 1 m)	99 dB	105 dB	97 dB	98 dB	105 dB	109 dB	113 dB	112 dB
Freq Response (-3 dB) Freq Range (-10 dB)	95 Hz – 16 kHz 83 Hz – 19 kHz	80 Hz – 16 kHz 70 Hz – 17 kHz	95 Hz – 18 kHz 85 Hz – 19 kHz	85 Hz – 19 kHz 75 Hz – 20 kHz	73 Hz – 17 kHz 65 Hz – 20 kHz	70 Hz – 20 kHz 59 Hz – 20 kHz	60 Hz – 20 kHz 52 Hz – 20 kHz	45 Hz – 117 Hz 38 Hz – 155 Hz
Nominal Impedance	16 Ω in bypass, multiple transformer taps for 70V/100V operation; highest tap, 16W	8 Ω in bypass, multiple transformer taps for 70V/100V operation; highest tap, 40W	16 Ω in bypass, multiple transformer taps for 70V/100V operation; highest tap, 9W	8 Ω in bypass, multiple transformer taps for 70V/100V operation; highest tap, 25W	8 Ω in bypass, multiple transformer taps for 70V/100V operation; highest tap, 50W	8 Ω in bypass, multiple transformer taps for 70V/100V operation; highest tap, 80W	8 Ω in bypass, multiple transformer taps for 70V/100V operation; highest tap, 80W	8 Ω in bypass, multiple transformer taps for 70V/100V operation; highest tap, 150W
Coverage (H × V, or Conical) 1 kHz – 4 kHz Average	150° conical	145° conical	150° conical	135° conical	130° conical	120° conical	135° conical	Omnidirectional
Acoustic Technology	—	—	—	Dispersion Alignment system	Dispersion Alignment system	Dispersion Alignment system	Coaxial compression driver & woofer	—
Ceiling Cutout (Ø)	160 mm 6.3 in	249 mm 9.8 in	165 mm 6.5 in	208 mm 8.2 in	250 mm 9.8 in	292 mm 11.5 in	349 mm 13.8 in	349 mm 13.8 in
Dimensions (Ø × total D × ceiling D)	182 × 132 × 125 mm 7.2 × 5.2 × 4.9 in	272 × 172 × 163 mm 10.7 × 6.8 × 6.4 in	198 × 110 × 99 mm 7.8 × 4.3 × 3.9 in	255 × 154 × 144 mm 10.0 × 6.0 × 5.7 in	303 × 205 × 192 mm 11.9 × 8.1 × 7.6 in	356 × 239 × 223 mm 14.0 × 9.4 × 8.8 in	409 × 255 × 240 mm 16.1 × 10.0 × 9.4 in	409 × 255 × 240 mm 16.1 × 10.0 × 9.4 in
Net Weight	1.63 kg (3.6 lb)	3.47 kg (7.65 lb)	1.6 kg (3.6 lb)	2.68 kg (5.9 lb)	4.45 kg (9.6 lb)	6.5 kg (14.3 lb)	9.6 kg (21.1 lb)	9.9 kg (21.9 lb)
Grille Color Options	Black or white	Black or white	Black or white	Black or white	Black or white	Black or white	Black or white	Black or white
Environmental	Indoor	IP55 outdoor	Indoor	Indoor	Indoor	Indoor	Indoor	Indoor
Installation Technology	—	—	QuickHold; magnetically attaching grille; minimum bezel; removable logo	QuickHold; magnetically attaching grille; minimum bezel; removable logo	QuickHold; magnetically attaching grille; minimum bezel; removable logo	QuickHold; magnetically attaching grille; minimum bezel; removable logo	QuickHold; magnetically attaching grille; minimum bezel; removable logo	QuickHold; magnetically attaching grille; minimum bezel; removable logo
Installation Accessories	Included: hole template Optional: tile bridges (6-pack), rough-in pans (6-pack), retrofit kit	Included: hole template Optional: tile bridges (6-pack), rough-in pans (6-pack), retrofit kit, aluminum grille	Included: tile bridges, hole template Optional: rough-in pans (6-pack)	Included: tile bridges, hole template Optional: rough-in pans (6-pack)	Included: tile bridges, hole template Optional: rough-in pans (6-pack)	Included: tile bridges, hole template Optional: rough-in pans (6-pack)	Included: tile bridge, hole template Optional: rough-in pans (6-pack)	Included: tile bridge, hole template Optional: rough-in pans (6-pack)
Certifications	EN 54-24 for voice alarm systems, UL 1480A, UL 2043	EN 54-24 for voice alarm systems, UL 1480A, UL 2043	UL 1480A, UL 2043	UL 1480A, UL 2043	UL 1480A, UL 2043	UL 1480A, UL 2043	UL 1480A, UL 2043	UL 1480A, UL 2043
Product Codes	841153-0320 (black, pair) 841153-0420 (white, pair)	841156-0320 (black, pair) 841156-0420 (white, pair)	815011-0110 (black, pair) 815011-0210 (white, pair)	829708-0120 (black, pair) 829708-0220 (white, pair)	829683-0120 (black, pair) 829683-0220 (white, pair)	829679-0120 (black, pair) 829679-0220 (white, pair)	802080-0110 (black) 802080-0210 (white)	829380-0110 (black) 829380-0210 (white)

IN-CEILING LOUDSPEAKERS

EdgeMax™				
	EM90	EM90-LP	EM180	EM180-LP
				
Driver Components	1 × 1-inch compression driver 1 × 8-inch woofer	1 × 1-inch compression driver 1 × 5.25-inch woofer	1 × 1-inch compression driver 1 × 8-inch woofer	1 × 1-inch compression driver 1 × 5.25-inch woofer
Power Handling (Long-term)	150 W	40 W	150 W	40 W
Sensitivity (SPL/1 W @ 1 m)	96 dB	95 dB	93 dB	91 dB
Max SPL (SPL/1 W @ 1 m)	118 dB	111 dB	115 dB	107 dB
Freq Response (-3 dB) Freq Range (-10 dB)	50 Hz – 18 kHz 45 Hz – 20 kHz	50 Hz – 18 kHz 45 Hz – 19 kHz	50 Hz – 18 kHz 45 Hz – 20 kHz	50 Hz – 18 kHz 45 Hz – 19 kHz
Nominal Impedance	8 Ω in bypass, multiple transformer taps for 70V/100V operation; highest tap, 80W	8 Ω in bypass, multiple transformer taps for 70V/100V operation; highest tap, 32W	8 Ω in bypass, multiple transformer taps for 70V/100V operation; highest tap, 80W	8 Ω in bypass, multiple transformer taps for 70V/100V operation; highest tap, 32W
Coverage (H × V, or Conical) 1 kHz – 4 kHz Average	90° × 75° (vertical referenced to wall)	90° × 80° (vertical referenced to wall)	180° × 75° (vertical referenced to wall)	180° × 80° (vertical referenced to wall)
Acoustic Technology	PhaseGuide technology	PhaseGuide technology	PhaseGuide technology	PhaseGuide technology
Ceiling Cutout (L × W)	345 × 345 mm 13.6 × 13.6 in	345 × 345 mm 13.6 × 13.6 in	345 × 345 mm 13.6 × 13.6 in	345 × 345 mm 13.6 × 13.6 in
Dimensions (across square face × total D × ceiling D)	390 × 249 × 236 mm 15.4 × 9.8 × 9.3 in	390 × 113 × 100 mm 15.4 × 4.3 × 3.9 in	390 × 249 × 236 mm 15.4 × 9.8 × 9.3 in	390 × 113 × 100 mm 15.4 × 4.3 × 3.8 in
Net Weight	10.1 kg (22.2 lb)	7.5 kg (16.6 lb)	10.1 kg (22.2 lb)	7.6 kg (16.7 lb)
Grille Color Options	White with optional black grille	White with optional black grille	White with optional black grille	White with optional black grille
Environmental	Indoor	Indoor	Indoor	Indoor
Installation Technology	—	—	—	—
Installation Accessories	Included: tile bridge, hole template Optional: rough-in pans (6-pack)	Included: tile bridge, hole template Optional: rough-in pans (6-pack)	Included: tile bridge, hole template Optional: rough-in pans (6-pack)	Included: tile bridge, hole template Optional: rough-in pans (6-pack)
Certifications	UL 1480A, UL 2043	UL 1480A, UL 2043	UL 1480A, UL 2043	UL 1480A, UL 2043
Product Codes	778844-0220 (white) 788330-0110 (black grille only)	891455-0200 (white) 788330-0110 (black grille only)	777189-0220 (white) 788330-0110 (black grille only)	891454-0200 (white) 788330-0110 (black grille only)



PENDANT-MOUNT LOUDSPEAKERS

	FreeSpace™	DesignMax™				
	FS2P	DM3P	DM5P	DM6PE	DML88P	DM10P-SUB
						
Driver Components	1 × 2.25-inch full-range	1 × 0.75-inch tweeter 1 × 3.25-inch woofer	1 × 1-inch tweeter 1 × 5.25-inch woofer	1 × 1.25-inch tweeter 1 × 6.5-inch woofer	8 × 2-inch mid-high drivers 1 × 8-inch woofer	1 × 10-inch woofer
Power Handling (Long-term)	20 W	30 W	60 W	125 W	140 W	300 W
Sensitivity (SPL / 1 W @ 1 m)	87 dB	84 dB	87 dB	89 dB	85 dB	85 dB
Max SPL (SPL / 1 W @ 1 m)	100 dB	99 dB	105 dB	110 dB	107 dB	110 dB
Freq Response (-3 dB) Freq Range (-10 dB)	95 Hz – 16 kHz 83 Hz – 19 kHz	85 Hz – 20 kHz 75 Hz – 20 kHz	80 Hz – 20 kHz 65 Hz – 20 kHz	75 Hz – 20 kHz 62 Hz – 20 kHz	50 Hz – 15 kHz 40 Hz – 20 kHz	46 Hz – 108 Hz 40 Hz – 125 Hz
Nominal Impedance	16 Ω in bypass, multiple transformer taps for 70V/100V operation; highest tap, 16W	8 Ω in bypass, multiple transformer taps for 70V/100V operation; highest tap, 25W	8 Ω in bypass, multiple transformer taps for 70V/100V operation; highest tap, 50W	8 Ω in bypass, multiple transformer taps for 70V/100V operation; highest tap, 80W	8 Ω in bypass, multiple transformer taps for 70V/100V operation; highest tap, 100W	8 Ω in bypass, multiple transformer taps for 70V/100V operation; highest tap, 150W
Coverage (H × V, or Conical) 1kHz – 4 kHz Average	140° conical	130° conical	120° conical	115° conical	140° conical	Omnidirectional below 200 Hz
Acoustic Technology	—	Dispersion Alignment system	Dispersion Alignment system	Dispersion Alignment system	Ring Array™ configuration	—
Dimensions (Ø × total D)	149 × 215 mm 5.9 × 8.5 in	207 × 248 mm 8.2 × 9.8 in	259 × 300 mm 10.2 × 11.8 in	308 × 375 mm 12.1 × 14.8 in	308 × 492 mm 12.1 × 19.4 in	400 × 383 mm 15.7 × 15.1 in
Net Weight	1.47 kg (3.25 lb)	2.5 kg (5.5 lb)	4.1 kg (9.1 lb)	5.7 kg (12.5 lb)	10.0 kg 22.0 lb	8.9 kg (19.7 lb)
Color Options	Black or white	Black or white	Black or white	Black or white	Black or white	Black or white
Environmental	Indoor	Indoor	Indoor	IP55 outdoor	Indoor	Indoor
Installation Accessories	Included: 4.5 m (15 ft) adjustable suspension cable systems	Included: 4.5 m (15 ft) adjustable suspension cable systems Optional: threaded rod adapter (pair), conduit adapter (pair), pendant suspension cable (pair)	Included: 4.5 m (15 ft) adjustable suspension cable systems Optional: threaded rod adapter (pair), conduit adapter (pair), pendant suspension cable (pair)	Included: 4.5 m (15 ft) adjustable suspension cable systems, weather-resistant input covers Optional: threaded rod adapter (pair), conduit adapter (pair), pendant suspension cable (pair)	Included: 4.5 m (15 ft) adjustable suspension cable systems Optional: threaded rod adapter (pair), conduit adapter (pair)	Included: 4.5 m (15 ft) adjustable suspension cable systems Optional: threaded rod adapter (pair), conduit adapter (pair)
Certifications	EN 54-24 for voice alarm systems, UL 1480A	UL Listed, UL 1480A, UL 2239 for suspension cable, NFPA 70 & NFPA 90A	UL Listed, UL 1480A, UL 2239 for suspension cable, NFPA 70 & NFPA 90A	UL Listed, UL 1480A, UL 2239 for suspension cable, NFPA 70 & NFPA 90A	UL Listed, UL 1480A, NFPA 70 & NFPA 90A	UL Listed, UL 1480A, UL 2239 for suspension cable, NFPA 70 & NFPA 90A
Product Codes	841153-0320 (black, pair) 841153-0420 (white, pair)	841165-0120 (black, pair) 841165-0220 (white, pair)	841166-0120 (black, pair) 841166-0220 (white, pair)	841168-0120 (black, pair) 841168-0220 (white, pair)	892117-0100 (black) 892117-0200 (white)	835265-0120 (black) 835265-0220 (white)



SPECIALTY INSTALL LOUDSPEAKERS

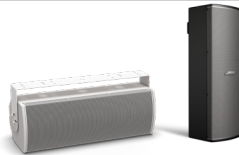
	FreeSpace™					Column Line Array Modules™		
	FreeSpace 3 Flush-Mount Satellite	FreeSpace 3 Surface-Mount Satellite	FreeSpace 3 Series II bass module	FreeSpace 3 Series I bass module	360P Series II	MA12	MA12EX	MSA12X
								
Driver Components	1 × 2.5-inch full-range	1 × 2.5-inch full-range	1 × 5.25-inch woofer	1 × 5.25-inch woofer	1 × 4.5-inch full-range	12 × 2.25-inch full-range	12 × 2.25-inch full-range	12 × 2.25-inch full-range
Power Handling (Long-term)	12 W	12 W	70V/100V: 200 W Low Z: 50 W per channel stereo, 100 W mono	70V/100V: 200 W Low Z: 50 W per channel stereo, 100 W mono	80 W	300 W	150 W	Integrated 12 × 50 W power amplifiers
Sensitivity (SPL/1 W @ 1 m)	84 dB	84 dB	76 dB per channel stereo, 79 dB mono	76 dB per channel stereo, 79 dB mono	87 dB	88 dB	87 dB	—
Max SPL (SPL/1 W @ 1 m)	95 dB	95 dB	96 dB per channel stereo, 102 dB mono	96 dB per channel stereo, 102 dB mono	107 dB	113 dB	112 dB	112 dB
Freq Response (-3 dB) Freq Range (-10 dB)	210 Hz – 16 kHz 170 Hz – 20 kHz	210 Hz – 16 kHz 170 Hz – 20 kHz	50 Hz – 230 Hz 40 Hz – 315 Hz	50 Hz – 230 Hz 40 Hz – 315 Hz	70 Hz – 10 kHz 60 Hz – 15 kHz	155 Hz – 12 kHz 100 Hz – 16 kHz	75 Hz – 13 kHz 58 Hz – 16 kHz	75 Hz – 17 kHz 58 Hz – 18 kHz
Nominal Impedance	6 Ω	6 Ω	6 Ω in bypass, multiple transformer taps for 70V/100V operation; highest tap, 200W	6 Ω in bypass, multiple transformer taps for 70V/100V operation; highest tap, 200W	8 Ω in bypass, multiple transformer taps for 70V/100V operation; highest tap, 80W	8 Ω	8 Ω	—
Coverage (H × V, or Conical) 1kHz – 4 kHz Average	170° conical	170° conical	Omnidirectional	Omnidirectional	360° × 50°	145° × 20°	160° × 20°	160° × 30° (1 module) – 40° (2–3 modules), vertically steerable via software
Acoustic Technology	—	—	—	—	Domed port grille, acoustic diffuser	Column line array	Articulated column line array	Digitally steerable, self-powered, articulated column line array
Ceiling Cutout (Ø)	127 mm 5.0 in	—	362 mm 14.3 in	—	—	—	—	—
Dimensions, Flush-Mount (Ø × total D × ceiling D) Dimensions, Surface-Mount (H × W × D)	157 × 134 × 116 mm 6.2 × 5.3 × 4.6 in	80 × 78 × 114 mm 3.1 × 3.1 × 4.5 in	391 × 205 × 190 mm 15.4 × 8.1 × 7.5 in	356 × 191 × 342 mm 14.0 × 7.5 × 13.5 in	379 × 368 mm 14.9 × 14.5 in (total D only)	985 × 105 × 128 mm 38.8 × 4.2 × 5.0 in	985 × 104 × 139 mm 38.8 × 4.1 × 5.5 in	984 × 106 × 206 mm 38.7 × 4.2 × 7.1 in
Net Weight	0.9 kg (1.9 lb)	0.7 kg (1.6 lb)	6.4 kg (14.0 lb)	7.9 kg (17.5 lb)	6.6 kg (14.5 lb)	8.5 kg (19.0 lb)	9.4 kg (21.0 lb)	14.5 kg (32.0 lb)
Color Options	Black or white (grille)	Black or white	Black or white (grille)	Black or white	Green	Black or white	Black or white	Black or white
Environmental	Indoor	Indoor	Indoor	Indoor	IP55 outdoor	Indoor	IPX5 outdoor	Indoor
Installation Accessories	Optional: tile bridges (6-pack), rough-in pans (6-pack)	Included: wall-mount brackets	Optional: tile bridges (6-pack), rough-in pans (6-pack)	—	—	Optional: wall-mount pitch lock bracket, wall-mount bi-pivot bracket, wall-mount pitch only bracket, coupling bracket, transformer for 70V/100V operation	Optional: wall-mount pitch lock bracket, wall-mount bi-pivot bracket, wall-mount pitch only bracket, coupling bracket, transformer for 70V/100V operation	Included: wall-mount bracket sets, interconnect bracket, yaw bracket
Certifications	UL 1480 (UEAY), UL 2043 with plenum cover accessory	—	UL 1480 (UEAY), UL 2043 with plenum cover accessory	UL 1480 (UEAY)	—	—	—	—
Product Codes	040150 (black, pair) 040149 (white, pair)	A00885-0100 (black, pair) A00885-0200 (white, pair)	040148 (black) 040147 (white)	040146 (black) 040145 (white)	893800-0600	040189 (black) 040188 (white)	317302-0100 (black) 317302-0200 (white)	787856-1110 (US, black) 787856-1210 (US, white) 787856-2110 (EU, black) 787856-2210 (EU, white) 787856-3110 (JP, black) 787856-3210 (JP, white) 787856-4110 (UK, black) 787856-4210 (UK, white) 787856-5110 (AU, black) 787856-5210 (AU, white)

POINT-SOURCE INSTALL LOUDSPEAKERS

	AMM			Forum	
	AMM108	AMM112	AMS115	FC108	FC112
					
Driver Components	1 × 1.7-inch compression driver 1 × 8-inch woofer	1 × 3-inch compression driver 1 × 12-inch woofer	1 × 15-inch high-excursion woofer	1 × 1.7-inch compression driver 1 × 8-inch woofer	1 × 3-inch compression driver 1 × 12-inch woofer
Power Handling (Long-term)	150 W	300 W passive 300 W LF + 45 W HF bi-amp	500 W	150 W passive 150 W LF + 20 W HF bi-amp	300 W passive 300 W LF + 45 W HF bi-amp
Sensitivity (SPL / 1 W @ 1 m)	94 dB	96 dB	96 dB (half-space)	94 dB	96 dB
Max SPL (SPL / 1 W @ 1 m)	116 dB	121 dB	123 dB (half-space)	122 dB	132 dB
Freq Response (-3 dB) Freq Range (-10 dB)	88 Hz – 17 kHz 75 Hz – 20 kHz	70 Hz – 18 kHz 60 Hz – 20 kHz	40 Hz – 100 Hz 35 Hz – 130 kHz	75 Hz – 17 kHz 53 Hz – 20 kHz	60 Hz – 18 kHz 48 Hz – 20 kHz
Nominal Impedance	8 Ω passive	8 Ω, passive 8 Ω LF + 8 Ω HF bi-amp	8 Ω	8 Ω, passive 8 Ω LF + 8 Ω HF bi-amp	8 Ω, passive 8 Ω LF + 8 Ω HF bi-amp
Coverage (H × V) 1kHz – 4 kHz Average	110° × 60°	110° × 60°	Omnidirectional	110° × 60°	110° × 60°
Dimensions (H × W × D)	318 × 318 × 268 mm 12.5 × 12.5 × 10.5 in	457 × 457 × 383 mm 18.0 × 18.0 × 15.0 in	470 × 470 × 508 mm 18.5 × 18.5 × 20.0 in	318 × 318 × 279 mm 12.5 × 12.5 × 11.0 in	457 × 457 × 357 mm 18.0 × 18.0 × 14.1 in
Net Weight	13.0 kg (28.8 lb)	22.0 kg (48.6 lb)	28.4 kg (62.6 lb)	12.7 kg (28.1 lb)	20.1 kg (44.3 lb)
Color Options	Black	Black	Black	Black	Black
Environmental	IP43 protected-outdoor, upright position only	IP43 protected-outdoor, upright position only	Indoor	IP43 protected-outdoor	IP43 protected-outdoor
Installation Accessories	Optional: U-bracket; suspension bracket; pan-and-tilt bracket	Optional: U-bracket; suspension bracket	—	Optional: U-bracket; pan-and-tilt bracket	Optional: U-bracket
Certifications	—	—	—	—	—
Product Codes	843160-0110	843161-0110	843163-0110	A00205-0100	A00204-0100



POINT-SOURCE INSTALL LOUDSPEAKERS

	AMU (ArenaMatch™ Utility)				
	AMU105	AMU108 / AMU108-120	AMU206	AMU208 / AMU208-120	MB210-WR
					
Driver Components	1 × Bose Professional EMB2S 2-inch voice-coil compression driver 1 × 5.25-inch woofer	1 × Bose Professional EMB2S 2-inch voice-coil compression driver 1 × 8-inch woofer	1 × Bose Professional EMB2S 2-inch voice-coil compression driver 2 × 6-inch woofer	1 × Bose Professional EMB2S 2-inch voice-coil compression driver 2 × 8-inch woofer	2 × 10-inch woofer
Power Handling (Long-term)	150 W	250 W	300 W	400 W	625 W
Sensitivity (SPL / 1 W @ 1 m)	90 dB	91 dB (AMU108) / 90 dB (AMU108-120)	91 dB	95 dB (AMU108) / 94 dB (AMU108-120)	90 dB
Max SPL (SPL / 1 W @ 1 m)	116 dB	120 dB (AMU108) / 119 dB (AMU108-120)	121 dB	126 dB (AMU108) / 125 dB (AMU108-120)	118 dB
Freq Response (-3 dB) Freq Range (-10 dB)	100 Hz – 16 kHz 90 Hz – 18 kHz	90 Hz – 16 kHz 80 Hz – 18 kHz	90 Hz – 16 kHz 80 Hz – 18 kHz	80 Hz – 16 kHz 70 Hz – 18 kHz	40 Hz – 180 Hz 37 Hz – 270 Hz
Nominal Impedance	8 Ω in bypass, multiple transformer taps for 70V/100V operation; highest tap, 80W	8 Ω in bypass, multiple transformer taps for 70V/100V operation; highest tap, 80W	8 Ω in bypass, multiple transformer taps for 70V/100V operation; highest tap, 80W	8 Ω in bypass, multiple transformer taps for 70V/100V operation; highest tap, 80W	8 Ω
Coverage (H × V) 1kHz – 4 kHz Average	100° × 100°	90° × 60° rotatable (AMU108) 120° × 60° rotatable (AMU108-120)	120° × 60° rotatable	90° × 60° rotatable (AMU108) 120° × 60° rotatable (AMU108-120)	Omnidirectional
Dimensions (H × W × D)	152 × 304 × 190 mm 6.0 × 12.0 × 7.5 in	235 × 470 × 262 mm 9.3 × 18.5 × 10.3 in	191 × 552 × 234 mm 7.5 × 21.8 × 9.2 in	235 × 686 × 262 mm 9.3 × 27.0 × 10.3 in	291 × 659 × 450 mm 11.5 × 26.0 × 17.7 in
Net Weight	7.5 kg (16.5 lb)	12.6 kg (27.7 lb)	13.8 kg (30.5 lb)	19.5 kg (43.0 lb)	19.4 kg (42.8 lb)
Color Options	Black or white	Black or white	Black or white	Black or white	Black or white
Environmental	IP55 outdoor	IP55 outdoor	IP55 outdoor	IP55 outdoor	IP55 outdoor
Installation Accessories	Included: stainless-steel U-bracket Optional: pan-and-tilt bracket	Included: stainless-steel U-bracket Optional: pan-and-tilt bracket	Included: stainless-steel U-bracket Optional: pan-and-tilt bracket	Included: stainless-steel U-bracket Optional: pan-and-tilt bracket	Included: stainless-steel U-bracket
Certifications	EN 54-24 for voice alarm systems	EN 54-24 for voice alarm systems	EN 54-24 for voice alarm systems	EN 54-24 for voice alarm systems	—
Product Codes	811433-0110 (black) 811433-0210 (white)	811434-0110 (AMU108, black) 811434-0210 (AMU108, white) 893798-0100 (AMU108-120, black) 893798-0200 (AMU108-120, white)	811435-0110 (black) 811435-0210 (white)	811436-0110 (AMU208, black) 811436-0210 (AMU208, white) 893797-0100 (AMU208-120, black) 893797-0200 (AMU208-120, white)	811432-0110 (black) 811432-0210 (white)



ARRAYABLE INSTALL LOUDSPEAKERS

AM (ArenaMatch™)									
AM10			AM20			AM40			
									
AM10/60	AM10/80	AM10/100	AM20/60	AM20/80	AM20/100	AM40/60	AM40/80	AM40/100	
Driver Components			6 × Bose Professional EMB2S titanium-diaphragm, neodymium compression drivers 1 × Bose Professional LF14 neodymium 14-inch woofer			6 × Bose Professional EMB2S titanium-diaphragm, neodymium compression drivers 1 × Bose Professional LF14 neodymium 14-inch woofer			
Power Handling (Long-term)			750 W passive 600 W LF + 150 W HF bi-amp			750 W passive 600 W LF + 150 W HF bi-amp			
Sensitivity (SPL/1 W @ 1 m)			100 dB passive 94 dB LF bi-amp 107 dB HF bi-amp	99 dB passive 94 dB LF bi-amp 106 dB HF bi-amp	98 dB passive 94 dB LF bi-amp 105 dB HF bi-amp	99 dB passive 94 dB LF bi-amp 106 dB HF bi-amp	89 dB passive 94 dB LF bi-amp 105 dB HF bi-amp	97 dB passive 94 dB LF bi-amp 104 dB HF bi-amp	98 dB passive 94 dB LF bi-amp 103 dB HF bi-amp
Max SPL (SPL/1 W @ 1 m)			129 dB passive 122 dB LF bi-amp 129 dB HF bi-amp	128 dB passive 122 dB LF bi-amp 128 dB HF bi-amp	127 dB passive 122 dB LF bi-amp 127 dB HF bi-amp	128 dB passive 122 dB LF bi-amp 128 dB HF bi-amp	127 dB passive 122 dB LF bi-amp 127 dB HF bi-amp	126 dB passive 122 dB LF bi-amp 126 dB HF bi-amp	127 dB passive 122 dB LF bi-amp 125 dB HF bi-amp
Freq Response (-3 dB) Freq Range (-10 dB)			65 Hz – 16 kHz 55 Hz – 18 kHz			65 Hz – 16 kHz 55 Hz – 18 kHz			
Nominal Impedance			8 Ω passive 8 Ω + 8 Ω bi-amp			8 Ω passive 8 Ω + 8 Ω bi-amp			
Coverage (H × V) 1kHz – 4 kHz Average			60° × 10°	80° × 10°	100° × 10°	60° × 20°	80° × 20°	100° × 20°	60° × 40°
Dimensions (H × W × D)			409 × 783 × 420 mm 6.1 × 30.8 × 16.5 in			437 × 783 × 416 mm 17.2 × 30.8 × 16.4 in			489 × 783 × 400 mm 9.3 × 30.8 × 15.8 in
Net Weight			36.3 kg (80.0 lb)			36.2 kg (80.0 lb)			34.9 kg (77.0 lb)
Color Options			Black			Black			Black
Environmental			IP55 outdoor			IP55 outdoor			IP55 outdoor
Installation Technology			8 × M12 non-stainless steel threaded inserts (4 per side); 2 × M10 stainless steel threaded inserts (1 per side); 2 × M6 stainless steel threaded inserts (1 per side); 1 × M10 stainless steel threaded insert, rear safety connection			8 × M12 non-stainless steel threaded inserts (4 per side); 2 × M10 stainless steel threaded inserts (1 per side); 2 × M6 stainless steel threaded inserts (1 per side); 1 × M10 stainless steel threaded insert, rear safety connection			8 × M12 non-stainless steel threaded inserts (4 per side); 2 × M10 stainless steel threaded inserts (1 per side); 2 × M6 stainless steel threaded inserts (1 per side); 1 × M10 stainless steel threaded insert, rear safety connection
Installation Accessories			Optional: U-bracket, array suspension kits, waveguide kits			Optional: U-bracket, array suspension kits, waveguide kits			Optional: U-bracket, array suspension kits, waveguide kits
Certifications			EN 54-24 for voice alarm systems			EN 54-24 for voice alarm systems			EN 54-24 for voice alarm systems
Product Codes			794042-3350	794042-6650	794042-8850	794042-3360	794042-6660	794042-8860	794042-3380
									794042-6680
									794042-8880



AM10/80



AM20/80



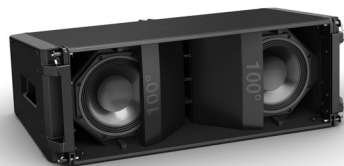
AM40/80

ARRAYABLE INSTALL LOUDSPEAKERS

	SM (ShowMatch™)			
	Array Elements			Subwoofer
	SM5	SM10	SM20	SMST18
				
Driver Components	4 × Bose Professional EMB2S extended-HF neodymium compression driver 2 × Bose Professional SM8 neodymium 8-inch woofer	4 × Bose Professional EMB2S extended-HF neodymium compression driver 2 × Bose Professional SM8 neodymium 8-inch woofer	4 × Bose Professional EMB2S extended-HF neodymium compression driver 2 × Bose Professional SM8 neodymium 8-inch woofer	1 × Bose Professional LF18 neodymium 18-inch, high-excursion woofer
Power Handling (Long-term)	450 W LF + 100 W HF bi-amp	450 W LF + 100 W HF bi-amp	450 W LF + 100 W HF bi-amp	750 W
Sensitivity (SPL / 1 W @ 1 m)	94 dB LF bi-amp 107 dB HF bi-amp	94 dB LF bi-amp 106 dB HF bi-amp	94 dB LF bi-amp 105 dB HF bi-amp	98 dB (half-space)
Max SPL (SPL / 1 W @ 1 m)	121 dB LF bi-amp 127 dB HF bi-amp	121 dB LF bi-amp 126 dB HF bi-amp	121 dB LF bi-amp 125 dB HF bi-amp	127 dB (half-space)
Freq Response (-3 dB) Freq Range (-10 dB)	69 Hz – 16kHz 59 Hz – 18 kHz	69 Hz – 16kHz 59 Hz – 18 kHz	69 Hz – 16kHz 59 Hz – 18 kHz	32 Hz – 250 Hz 29 Hz – 300 Hz
Nominal Impedance	8 Ω LF + 6 Ω HF bi-amp	8 Ω LF + 6 Ω HF bi-amp	8 Ω LF + 6 Ω HF bi-amp	4 Ω
Coverage (H × V) 1kHz – 4 kHz Average	70° × 5°	100° × 10°	100° × 20°	Omnidirectional
Dimensions (H × W × D)	270 × 793 × 467 mm 410.6 × 31.2 × 18.4 in	282 × 793 × 465 mm 11.1 × 31.2 × 18.3 in	303 × 793 × 461 mm 11.9 × 31.2" x18.1 in	540 × 765 × 775 mm 21.2 × 30.1 × 30.5 in
Net Weight	30.6 kg (67.5 lb)	29.7 kg (65.5 lb)	29.0 kg (64.0 lb)	61.9 kg (136.5 lb)
Color Options	Black	Black	Black	Black
Environmental	IPx4 outdoor	IPx4 outdoor	IPx4 outdoor	IPx4 outdoor
Installation Technology	Integrated 3-point quick-pin rigging	Integrated 3-point quick-pin rigging	Integrated 3-point quick-pin rigging	4-point quick-pin rigging; 4 × M10 top & 4 ×x M10 bottom inserts; 35 mm pole cup
Installation Accessories	Included: 100° waveguides Optional: Rigging frames, pullback bar, 55° waveguides, ground stack bracket, short quick pins	Included: 70° waveguides Optional: Rigging frames, pullback bar, ground stack bracket, short quick pins	Included: 70° waveguides Optional: Rigging frames, pullback bar, 120° waveguides, ground stack bracket, short quick pins	Optional: Rigging frames, ground stack bracket, short quick pins, speaker pole-mount adapter
Certifications	—	—	—	—
Product Codes	730999-5540	730999-8850	730999-8860	734302-0110



SM5



SM10



SM20



SMS118

DIGITAL SIGNAL PROCESSORS

	CSP		ControlSpace™		ControlSpace™ Conferencing		
	CSP-428	CSP-1248	ESP-880A	EX-1280	EX-440C	EX-1280C	EX-12AEC
							
Analog Mic/Line Inputs	4	12	8	12	4	12	—
Analog Line Outputs	2	4	8	8	4	4	—
Dante Inputs × Outputs	—	—	—	64 × 64	16 × 16	64 × 64	16 × 16
Amplink Outputs	8	8	8	8	4	8	—
GPIO Logic Ports	8 × 1	8 × 1	5 × 5	5 × 5	1 × 0	5 × 5	—
DSP Architecture	Fixed configurable	Fixed configurable	Open architecture	Open architecture	Open architecture	Open architecture	Open architecture
Acoustic Echo Cancellation	—	—	—	—	8 channels	12 channels	12 channels
Configuration Software	Onboard web-based UI	Onboard web-based UI	ControlSpace Designer	ControlSpace Designer	ControlSpace Designer	ControlSpace Designer	ControlSpace Designer
Supported Bose Professional Dante Endpoints	—	—	—	EX-4ML, EX-8ML, EX-UH, WP-22B-D	EX-4ML, EX-8ML, EX-UH, WP-22B-D	EX-4ML, EX-8ML, EX-UH, WP-22B-D	EX-4ML, EX-8ML, EX-UH, WP-22B-D
User Controls Supported	ControlSpace Remote, CC-1D, CC-2D, CC-3D	ControlSpace Remote, CC-1D, CC-2D, CC-3D	ControlSpace Remote, CC-1, CC-2, CC-3, CC-1D, CC-2D, CC-3D, CC-16, CC-64	ControlSpace Remote, CC-1, CC-2, CC-3, CC-1D, CC-2D, CC-3D, CC-16, CC-64	ControlSpace Remote, CC-1, CC-2, CC-3, CC-1D, CC-2D, CC-3D, CC-64	ControlSpace Remote, CC-1, CC-2, CC-3, CC-1D, CC-2D, CC-3D, CC-16, CC-64	ControlSpace Remote, CC-1, CC-2, CC-3, CC-1D, CC-2D, CC-3D, CC-16, CC-64
Dimensions (Rack Space, H × W × D)	1RU 44 × 483 × 215 mm 1.7 × 19.0 × 8.5 in	1RU 44 × 483 × 215 mm 1.7 × 19.0 × 8.5 in	1RU 44 × 483 × 215 mm 1.7 × 19.0 × 8.5 in	1RU 44 × 483 × 282 mm 1.7 × 19.0 × 11.1 in	1RU 44 × 483 × 282 mm 1.7 × 19.0 × 11.1 in	1RU 44 × 483 × 282 mm 1.7 × 19.0 × 11.1 in	1RU 44 × 483 × 282 mm 1.7 × 19.0 × 11.1 in
Net Weight	2.6 kg (5.8 lb)	2.6 kg (5.8 lb)	2.6 kg (5.8 lb)	3.2 kg (7.1 lb)	3.2 kg (7.1 lb)	3.6 kg (7.3 lb)	2.4 kg (5.3 lb)
Product Codes	808453-1110 (US, 120 V) 808453-2110 (EU, 230 V) 808453-3110 (JP, 100 V) 808453-4110 (UK, 230 V) 808453-5110 (AU, 240 V)	808456-1110 (US, 120 V) 808456-2110 (EU, 230 V) 808456-3110 (JP, 100 V) 808456-4110 (UK, 230 V) 808456-5110 (AU, 240 V)	812862-1110 (US, 120 V) 812862-2110 (EU, 230 V) 812862-3110 (JP, 100 V) 812862-4110 (UK, 230 V) 812862-5110 (AU, 240 V)	834317-1110 (US, 120 V) 834317-2110 (EU, 230 V) 834317-3110 (JP, 100 V) 834317-4110 (UK, 230 V) 834317-5110 (AU, 240 V)	834315-1110 (US, 120 V) 834315-2110 (EU, 230 V) 834315-3110 (JP, 100 V) 834315-4110 (UK, 230 V) 834315-5110 (AU, 240 V)	772234-1110 (US, 120 V) 772234-2110 (EU, 230 V) 772234-3110 (JP, 100 V) 772234-4110 (UK, 230 V) 772234-5110 (AU, 240 V)	834316-1110 (US, 120 V) 834316-2110 (EU, 230 V) 834316-3110 (JP, 100 V) 834316-4110 (UK, 230 V) 834316-5110 (AU, 240 V)



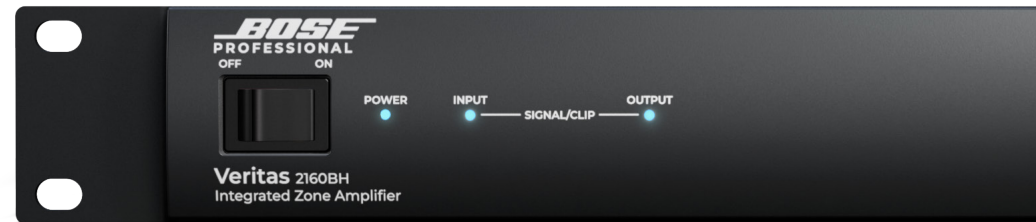
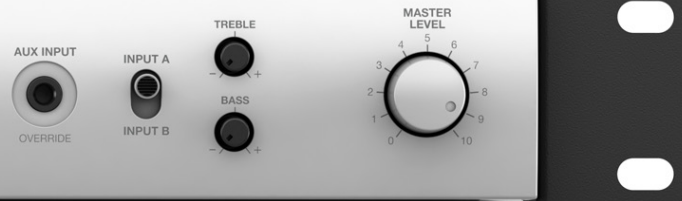
CONTROLLERS

	Analog			Digital					
	ControlCenter CC-1*	ControlCenter CC-2*	ControlCenter CC-3*	ControlCenter CC-1D*	ControlCenter CC-2D*	ControlCenter CC-3D*	ControlSpace CC-16	ControlSpace CC-64	
* 3 available control panel sizes based on regional standards (US, EU, JP).									
Volume Control	1 × rotary knob	1 × rotary knob	1 × rotary knob	1 × rotary-push knob, 15-LED ring	1 × rotary-push knob, 15-LED ring	1 × rotary-push knob, 15-LED ring	Volume +/- buttons	4 × rotary/push knobs, 15-LED ring	
Source Selection	—	1 × 2-position knob	1 × 4-position knob	—	1 × rotary-push knob, 2 LEDs	1 × rotary-push knob, 4 LEDs	Select +/- buttons	4 × bank-switch buttons 1 master scene/preset recall rotary-push knob	
Display	—	—	—	—	—	—	LCD, backlit blue	LCD, backlit blue	
Configuration Software	—	—	—	—	—	—	ControlSpace Designer	ControlSpace Designer	
Connectors	2 × RJ-45	2 × RJ-45	1 × RJ-45	1 × RJ-45	1 × RJ-45	1 × RJ-45	1 × 6-pin Euroblock	1 × RJ-45, 1 × 2-pin Euroblock	
Color Options	Black or white	Black or white	Black or white	Black or white	Black or white	Black or white	White	White	
Dimensions (H × W × D)	US: 105 × 38 × 36 mm 4.1 × 1.5 × 1.4 in EU: 86 × 86 × 36 mm 3.4 × 3.4 × 1.4 in JP: 110 × 42 × 38 mm 4.3 × 1.7 × 1.5 in	US: 105 × 38 × 38 mm 4.1 × 1.5 × 1.45 in EU: 86 × 86 × 38 mm 3.4 × 3.4 × 1.5 in JP: 110 × 42 × 39 mm 4.3 × 1.7 × 1.5 in	US: 105 × 38 × 38 mm 4.1 × 1.5 × 1.5 in EU: 86 × 86 × 38 mm 3.4 × 3.4 × 1.5 in JP: 110 × 42 × 39 mm 4.3 × 1.7 × 1.5 in	US: 105 × 40 × 46 mm 4.1 × 1.8 × 1.8 in EU: 86 × 86 × 43 mm 3.4 × 3.4 × 1.7 in JP: 110 × 42 × 48 mm 4.3 × 1.7 × 1.9 in	US: 105 × 40 × 46 mm 4.1 × 1.8 × 1.8 in EU: 86 × 86 × 43 mm 3.4 × 3.4 × 1.7 in JP: 110 × 42 × 48 mm 4.3 × 1.7 × 1.9 in	US: 105 × 40 × 46 mm 4.1 × 1.8 × 1.8 in EU: 86 × 86 × 43 mm 3.4 × 3.4 × 1.7 in JP: 110 × 42 × 48 mm 4.3 × 1.7 × 1.9 in	US: 105 × 40 × 46 mm 4.1 × 1.8 × 1.8 in EU: 86 × 86 × 43 mm 3.4 × 3.4 × 1.7 in JP: 110 × 42 × 48 mm 4.3 × 1.7 × 1.9 in	121 × 118 × 37 mm 4.8 × 4.7 × 1.5 in	137 × 282 × 51 mm 5.4 × 11.1 × 2.0 in
Product Codes	768932-0110 (black, US) 768932-0210 (white, US) 768932-2110 (black, EU) 768932-2210 (white, EU) 768932-3110 (black, JP) 768932-3210 (white, JP)	768938-0110 (black, US) 768938-0210 (white, US) 768938-2110 (black, EU) 768938-2210 (white, EU) 768938-3110 (black, JP) 768938-3210 (white, JP)	768941-0110 (black, US) 768941-0210 (white, US) 768941-2110 (black, EU) 768941-2210 (white, EU) 768941-3110 (black, JP) 768941-3210 (white, JP)	808461-0110 (black, US, 120 V) 808461-0210 (white, US, 120 V) 808461-2110 (black, EU, 230 V) 808461-2210 (white, EU, 230 V) 808461-3110 (black, JP, 100 V) 808461-3210 (white, JP, 100 V)	808928-0110 (black, US, 120 V) 808928-0210 (white, US, 120 V) 808928-2110 (black, EU, 230 V) 808928-2210 (white, EU, 230 V) 808928-3110 (black, JP, 100 V) 808928-3210 (white, JP, 100 V)	808930-0110 (black, US, 120 V) 808930-0210 (white, US, 120 V) 808930-2110 (black, EU, 230 V) 808930-2210 (white, EU, 230 V) 808930-3110 (black, JP, 100 V) 808930-3210 (white, JP, 100 V)	41761	41760	

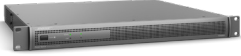


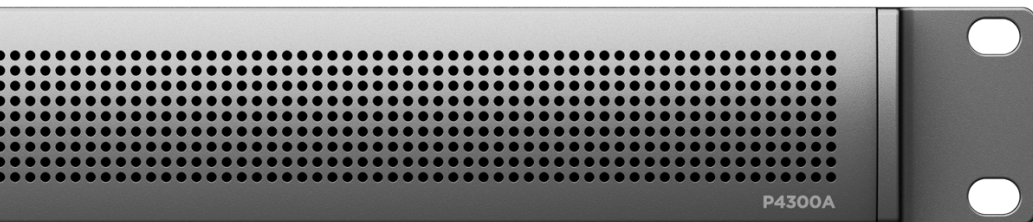
POWER AMPLIFIERS

	FreeSpace				Veritas			
	IZA 250-LZ	IZA 190-HZ	IZA 2120-LZ	IZA 2120-HZ	250BL	1100BH	2160BL	2160BH
								
Unbalanced Inputs	2 × stereo RCA	2 × stereo RCA	2 × stereo RCA	2 × stereo RCA	2 × stereo RCA	2 × stereo RCA	2 × stereo RCA	2 × stereo RCA
Balanced Inputs	1 × XLR/1/4-in TRS combo	1 × XLR/1/4-in TRS combo	2 × Euroblock	2 × Euroblock	1 × XLR/1/4-in TRS combo	1 × XLR/1/4-in TRS combo	2 × Euroblock	2 × Euroblock
Additional Inputs	1 × balanced Euroblock (page) 1 × unbalanced 1/8-in TRS (auxiliary)	1 × balanced Euroblock (page) 1 × unbalanced 1/8-in TRS (auxiliary)	1 × balanced Euroblock (page) 1 × unbalanced 1/8-in TRS (auxiliary)	1 × balanced Euroblock (page) 1 × unbalanced 1/8-in TRS (auxiliary)	1 × balanced Euroblock (page) <i>Bluetooth</i> wireless audio connection	1 × balanced Euroblock (page) <i>Bluetooth</i> wireless audio connection	1 × balanced Euroblock (page) <i>Bluetooth</i> wireless audio connection	1 × balanced Euroblock (page) <i>Bluetooth</i> wireless audio connection
Outputs	2 × terminal block 1 × 400 Ω auxiliary, stereo RCA	1 × Euroblock 1 × 400 Ω auxiliary, stereo RCA	2 × Euroblock 1 × 400 Ω auxiliary, stereo RCA	2 × terminal block 1 × 400 Ω auxiliary, stereo RCA	2 × Euroblock 1 × 400 Ω auxiliary, stereo RCA	1 × Euroblock 1 × 400 Ω auxiliary, stereo RCA	2 × Euroblock 1 × 400 Ω auxiliary, stereo RCA	2 × Euroblock 1 × 400 Ω auxiliary, stereo RCA
Onboard Signal Processing	Analog: Input gain, output levels, routing, paging & selectable EQ presets	Analog: Input gain, output levels, routing, paging & selectable EQ presets	Analog: Volume, source selection, EQ, tone controls, paging/auxiliary routing with selectable EQ presets	Analog: Volume, source selection, EQ, tone controls, paging/auxiliary routing with selectable EQ presets	Volume, tone controls, Opti-Voice paging, loudspeaker EQ, Dynamic EQ	Volume, tone controls, Opti-Voice paging, loudspeaker EQ, Dynamic EQ	Volume, tone controls, Opti-Voice paging, loudspeaker EQ, Dynamic EQ	Volume, tone controls, Opti-Voice paging, loudspeaker EQ, Dynamic EQ
Control	Power, input select, tone controls, gain, level, mode DIP switch, EQ preset selector, page mic gain, output trims	Power, input select, tone controls, gain, level, mode DIP switch, EQ preset selector, page mic gain, output trim	Power, input select, tone controls, level, mode DIP switch, EQ preset selector, page mic gain, output trims	Power, input select, tone controls, level, mode DIP switch, EQ preset selector, page mic gain, output trims	Power, input select, rotary encoder, input gain, page mic gain	Power, input select, rotary encoder, input gain, page mic gain	Power, input select, rotary encoder, input gain, page mic gain, page mic threshold, DIP switches	Power, input select, rotary encoder, input gain, page mic gain, page mic threshold, DIP switches
User Controls Supported	CC-1, CC-2	CC-1, CC-2	CC-1, CC-2	CC-1, CC-2	CC-1, CC-2	CC-1, CC-2	CC-1, CC-2	CC-1, CC-2
Power, LZ @ 8 Ω	2 × 25 W	—	2 × 60 W	—	2 × 25 W	—	2 × 160 W	—
Power, HZ @ 70V/100V	—	1 × 90 W	—	2 × 120 W	—	1 × 100 W	—	2 × 160 W
Amplink	—	—	—	—	—	—	—	—
Dante	—	—	—	—	—	—	—	—
Dimensions (Rack Space, H × W × D)	1RU × half-rack 45 × 214 × 310 mm 1.8 × 8.4 × 12.2 in	1RU × half-rack 45 × 214 × 310 mm 1.8 × 8.4 × 12.2 in	1RU 44 × 483 × 324 mm 1.7 × 19.0 × 12.8 in	1RU 44 × 483 × 324 mm 1.7 × 19.0 × 12.8 in	1RU × half-rack 44 × 214 × 310 mm 1.7 × 8.4 × 12.2 in	1RU × half-rack 44 × 214 × 310 mm 1.7 × 8.4 × 12.2 in	1RU 44 × 483 × 324 mm 1.7 × 19.0 × 12.8 in	1RU 44 × 483 × 324 mm 1.7 × 19.0 × 12.8 in
Net Weight	2.2 kg (4.8 lb)	3.2 kg (7.0 lb)	4.1 kg (9.0 lb)	4.1 kg (9.0 lb)	2.0 kg (4.4 lb)	3.2 kg (7.1 lb)	4.4 kg (9.7 lb)	4.4 kg (9.7 lb)
Product Codes	344871-1440 (US, 120 V) 344871-2440 (EU, 230 V) 344871-3440 (JP, 100 V) 344871-4440 (UK, 230 V) 344871-5440 (AU, 240 V)	344871-1430 (US, 120 V) 344871-2430 (EU, 230 V) 344871-3430 (JP, 100 V) 344871-4430 (UK, 230 V) 344871-5430 (AU, 240 V)	719782-1440 (US, 120 V) 719782-2440 (EU, 230 V) 719782-3440 (JP, 100 V) 719782-4440 (UK, 230 V) 719782-5440 (AU, 240 V)	719782-1430 (US, 120 V) 719782-2430 (EU, 230 V) 719782-3430 (JP, 100 V) 719782-4430 (UK, 230 V) 719782-5430 (AU, 240 V)	892120-1110 (US, 120 V) 892120-2110 (EU, 230 V) 892120-3140 (JP, 100 V) 892120-4110 (UK, 230 V) 892120-5110 (AU, 240 V) 892120-2140 (CN, 230V)	892237-1110 (US, 120 V) 892237-2110 (EU, 230 V) 892237-3140 (JP, 100 V) 892237-4110 (UK, 230 V) 892237-5110 (AU, 240 V) 892237-2140 (CN, 230V)	892119-1110 (US, 120 V) 892119-2110 (EU, 230 V) 892119-3140 (JP, 100 V) 892119-4110 (UK, 230 V) 892119-5110 (AU, 240 V) 892119-2140 (CN, 230V)	892121-1110 (US, 120 V) 892121-2110 (EU, 230 V) 892121-3140 (JP, 100 V) 892121-4110 (UK, 230 V) 892121-5110 (AU, 240 V) 892121-2140 (CN, 230V)



POWER AMPLIFIERS

	PowerSpace™			PowerSpace+	
	P4300A	P2600A	P21000A	P4150+	P4300+
					
Unbalanced Inputs	—	—	—	2 × stereo RCA	2 × stereo RCA
Balanced Inputs	4 × Euroblock	2 × Euroblock	2 × Euroblock	4 × Euroblock	4 × Euroblock
Additional Inputs	—	—	—	1 × Euroblock (page)	1 × Euroblock (page)
Outputs	4 × terminal block	2 × terminal block	2 × terminal block	4 × terminal block 1 × 600 Ω auxiliary, Euroblock 1 × auxiliary, Euroblock	4 × terminal block 1 × 600 Ω auxiliary, Euroblock 1 × auxiliary, Euroblock
Onboard Signal Processing	—	—	—	Digital: SmartBass, routing, level control, delays, limiters, Bose Professional loudspeaker EQs, input & area EQs	Digital: SmartBass, routing, level control, delays, limiters, Bose Professional loudspeaker EQs, input & area EQs
Control	Power, mode DIP switches, input sensitivity, input select, mute, output attenuators	Power, mode DIP switches, input sensitivity, input select, mute, output attenuators	Power, mode DIP switches, input sensitivity, input select, mute, output attenuators	Power, remote input, mute, output attenuators programmed with web interface	Power, remote input, mute, output attenuators programmed with web interface
User Controls Supported	—	—	—	CC-1, CC-2, CC-3	CC-1, CC-2, CC-3
Power, LZ @ 8 Ω	4 × 300 W	2 × 600W	2 × 1000 W	4 × 150 W	4 × 300 W
Power, HZ @ 70V/100V	4 × 300 W	2 × 600 W	2 × 1000 W	4 × 150 W	4 × 300 W
Amplink	8 channels, RJ-45	8 channels, RJ-45	8 channels, RJ-45	—	—
Dante	—	—	—	—	—
Dimensions (Rack Space, H × W × D)	1RU 44 × 483 × 420 mm 1.7 × 19.0 × 16.5 in	1RU 44 × 483 × 420 mm 1.7 × 19.0 × 16.5 in	1RU 44 × 483 × 420 mm 1.7 × 19.0 × 16.5 in	1RU 44 × 483 × 420 mm 1.7 × 19.0 × 16.5 in	1RU 44 × 483 × 420 mm 1.7 × 19.0 × 16.5 in
Net Weight	6.6 kg (14.6 lb)	6.2 kg (13.7 lb)	6.6 kg (14.6 lb)	6.6 kg (14.6 lb)	6.6 kg (14.6 lb)
Product Codes	803288-1110 (US, 120 V) 803288-2110 (EU, 230 V) 803288-3110 (JP, 100 V) 803288-4110 (UK, 230 V) 803288-5110 (AU, 240 V)	803286-1110 (US, 120 V) 803286-2110 (EU, 230 V) 803286-3110 (JP, 100 V) 803286-4110 (UK, 230 V) 803286-5110 (AU, 240 V)	803287-1110 (US, 120 V) 803287-2110 (EU, 230 V) 803287-3110 (JP, 100 V) 803287-4110 (UK, 230 V) 803287-5110 (AU, 240 V)	810965-1110 (US, 120 V) 810965-2110 (EU, 230 V) 810965-3110 (JP, 100 V) 810965-4110 (UK, 230 V) 810965-5110 (AU, 240 V)	803289-1110 (US, 120 V) 803289-2110 (EU, 230 V) 803289-3110 (JP, 100 V) 803289-4110 (UK, 230 V) 803289-5110 (AU, 240 V)



POWER AMPLIFIERS

	PowerShare		PowerShareX		
	PS404D	PS604D	PSX1204D	PSX2404D	PSX4804D
					
Balanced Inputs	4 × Euroblock	4 × Euroblock	4 × Euroblock	4 × Euroblock	4 × Euroblock
Outputs	4 × Euroblock	4 × Euroblock	4 × Euroblock	4 × Euroblock	4 × Euroblock
Onboard Signal Processing	Digital: Matrix mixer, loudspeaker EQ, PEQ, limiters, delay, band pass, mute/output, polarity	Digital: Matrix mixer, loudspeaker EQ, PEQ, limiters, delay, band pass, mute/output, polarity	Digital: Matrix mixer, loudspeaker EQ, PEQ, limiter, delay, band pass	Digital: Matrix mixer, loudspeaker EQ, PEQ, limiter, delay, band pass	Digital: Matrix mixer, loudspeaker EQ, PEQ, limiter, delay, band pass
Control	Power, output attenuators, integrated DSP, ControlSpace Designer software	Power, output attenuators, integrated DSP, ControlSpace Designer software	Power, output/system configuration DIP switches, output attenuators, soft & hard reset, ControlSpace Designer software	Power, output/system configuration DIP switches, output attenuators, soft & hard reset, ControlSpace Designer software	Power, output/system configuration DIP switches, output attenuators, soft & hard reset, ControlSpace Designer software
Computer Connection	—	—	Ethernet (RJ-45)	Ethernet (RJ-45)	Ethernet (RJ-45)
User Controls Supported	CC-1D, CC-2D, CC-3D	CC-1D, CC-2D, CC-3D	—	—	—
Power, LZ @ 4 Ω/8 Ω	4 × 100 W @ 4 Ω/8 Ω	4 × 150 W @ 4 Ω/8 Ω	4 × 300 W @ 4 Ω/8 Ω	4 × 600 W @ 4 Ω/8 Ω	4 × 1200 W @ 4 Ω/8 Ω
Power, HZ @ 70V/100V	4 × 100 W @ 70V/100V	4 × 150 W @ 70V/100V	4 × 300 W @ 70V/100V	4 × 600 W @ 70V/100V	4 × 1200 W @ 70V/100V
Dante	4 channels, RJ-45	4 channels, RJ-45	4 channels, RJ-45	4 channels, RJ-45	4 channels, RJ-45
Dimensions (Rack Space, H × W × D)	1RU 44 × 483 × 414 mm 1.7 × 19.0 × 16.3 in	1RU 44 × 483 × 414 mm 1.7 × 19.0 × 16.3 in	1RU 45 × 483 × 358 mm 1.8 × 19.0 × 14.1 in	1RU 45 × 483 × 358 mm 1.8 × 19.0 × 14.1 in	1RU 45 × 483 × 358 mm 1.8 × 19.0 × 14.1 in
Net Weight	6.4 kg (14.1 lb)	6.4 kg (14.1 lb)	7.0 kg (15.4 lb)	7.0 kg (15.4 lb)	7.0 kg (15.4 lb)
Certifications/Compliance	—	—	EN 54-16 compliance for voice alarm control and indicating equipment	EN 54-16 compliance for voice alarm control and indicating equipment	EN 54-16 compliance for voice alarm control and indicating equipment
Product Codes	813375-1310 (US, 120 V) 813375-2310 (EU, 230 V) 813375-3310 (JP, 100 V) 813375-4310 (UK, 230 V) 813375-5310 (AU, 240 V)	813403-1310 (US, 120 V) 813403-2310 (EU, 230 V) 813403-3310 (JP, 100 V) 813403-4310 (UK, 230 V) 813403-5310 (AU, 240 V)	876599-0100 (Americas & Europe) 878918-2130 (Asia Pacific) 878918-5110 (Australia)	876599-0200 (Americas & Europe) 878919-2130 (Asia Pacific) 878919-5110 (Australia)	876599-0300 (Americas & Europe) 878920-2130 (Asia Pacific) 878920-5110 (Australia)



SYSTEM PACKAGES

		AudioPack Pro (with In-Ceiling Loudspeakers)		AudioPack Pro (with Surface-Mount Loudspeakers)	
		C4W**	C6W†	S4W	S4B
		 4 × FreeSpace FS2C loudspeakers 1 × FreeSpace IZA 190-HZ amplifier	 6 × FreeSpace FS2C loudspeakers 1 × FreeSpace IZA 190-HZ amplifier	 4 × FreeSpace FS2SE loudspeakers 1 × FreeSpace IZA 190-HZ amplifier	 4 × FreeSpace FS2SE loudspeakers 1 × FreeSpace IZA 190-HZ amplifier
Loudspeakers	Driver Components	1 × 2.25-inch full-range	1 × 2.25-inch full-range	1 × 2.25-inch full-range	1 × 2.25-inch full-range
	Power Handling (Long-term)	20 W	20 W	20 W	20 W
	Sensitivity (SPL / 1 W @ 1 m)	86 dB	86 dB	87 dB	87 dB
	Max SPL (SPL / 1 W @ 1 m)	99 dB	99 dB	100 dB	100 dB
	Freq Response (-3 dB) Freq Range (-10 dB)	95 Hz – 16 kHz 83 Hz – 19 kHz	95 Hz – 16 kHz 83 Hz – 19 kHz	95 Hz – 16 kHz 83 Hz – 19 kHz	95 Hz – 16 kHz 83 Hz – 19 kHz
	Nominal Impedance	16 Ω in bypass, multiple transformer taps for 70V/100V operation; highest tap, 16W	16 Ω in bypass, multiple transformer taps for 70V/100V operation; highest tap, 16W	16 Ω in bypass, multiple transformer taps for 70V/100V operation; highest tap, 16W	16 Ω in bypass, multiple transformer taps for 70V/100V operation; highest tap, 16W
	Coverage (H × V, or Conical), 1 kHz – 4 kHz Average	150° conical	150° conical	145° × 140°	145° × 140°
	Ceiling Cutout (Ø)	160 mm (6.3 in)	160 mm (6.3 in)	—	—
	Dimensions, Flush-Mount (Ø × total D × ceiling D) Dimensions, Surface-Mount (H × W × D)	182 × 132 × 125 mm (7.2 × 5.2 × 4.9 in)	182 × 132 × 125 mm (7.2 × 5.2 × 4.9 in)	182 × 113 × 114 mm (7.1 × 4.4 × 4.5 in)	182 × 113 × 114 mm (7.1 × 4.4 × 4.5 in)
	Net Weight	1.63 kg (3.6 lb)	1.63 kg (3.6 lb)	1.43 kg (3.2 lb)	1.43 kg (3.2 lb)
	Color Options	White	White	White	Black
	Environmental	Indoor	Indoor	IP55 outdoor, optional aluminum grille	IP55 outdoor, optional aluminum grille
	Installation Accessories	Included: hole template Optional: tile bridges (6-pack), rough-in pans (6-pack), ceramic terminal & fuse kit, retrofit kit	Included: hole template, tile bridges Optional: rough-in pans (6-pack), ceramic terminal & fuse kit, retrofit kit	Included: wall- & ceiling-mount U-bracket Optional: aluminum grille, surface-mount pan-&-tilt bracket, CMB S2 ceiling mount bracket, ceramic terminal & fuse kit	Included: wall- & ceiling-mount U-bracket Optional: aluminum grille, surface-mount pan-&-tilt bracket, CMB S2 ceiling mount bracket, ceramic terminal & fuse kit
Amplifier	Inputs	2 × stereo RCA (unbalanced) 1 × XLR/1/4-in TRS combo (balanced) 1 × balanced Euroblock (page) 1 × unbalanced 1/8-in TRS (auxiliary)	2 × stereo RCA (unbalanced) 1 × XLR/1/4-in TRS combo (balanced) 1 × balanced Euroblock (page) 1 × unbalanced 1/8-in TRS (auxiliary)	2 × stereo RCA (unbalanced) 1 × XLR/1/4-in TRS combo (balanced) 1 × balanced Euroblock (page) 1 × unbalanced 1/8-in TRS (auxiliary)	2 × stereo RCA (unbalanced) 1 × XLR/1/4-in TRS combo (balanced) 1 × balanced Euroblock (page) 1 × unbalanced 1/8-in TRS (auxiliary)
	Onboard Signal Processing	Analog: Input gain, output levels, routing, paging, and selectable EQ presets	Analog: Input gain, output levels, routing, paging, and selectable EQ presets	Analog: Input gain, output levels, routing, paging, and selectable EQ presets	Analog: Input gain, output levels, routing, paging, and selectable EQ presets
	Control	Power, input select, tone controls, gain, level, mode DIP switch, EQ preset selector, page mic gain, output trims	Power, input select, tone controls, gain, level, mode DIP switch, EQ preset selector, page mic gain, output trims	Power, input select, tone controls, gain, level, mode DIP switch, EQ preset selector, page mic gain, output trims	Power, input select, tone controls, gain, level, mode DIP switch, EQ preset selector, page mic gain, output trims
	User Controls Supported	CC-1, CC-2	CC-1, CC-2	CC-1, CC-2	CC-1, CC-2
	Dimensions (Rack Space, H × W × D)	1RU × half-rack 45 × 214 × 310 mm (1.8 × 8.4 × 12.2 in)	1RU × half-rack 45 × 214 × 310 mm (1.8 × 8.4 × 12.2 in)	1RU × half-rack 45 × 214 × 310 mm (1.8 × 8.4 × 12.2 in)	1RU × half-rack 45 × 214 × 310 mm (1.8 × 8.4 × 12.2 in)
	Net Weight	3.2 kg (7.0 lb)	3.2 kg (7.0 lb)	3.2 kg (7.0 lb)	3.2 kg (7.0 lb)
	Installation Accessories	Optional: rack mount kit	Optional: rack mount kit	Optional: rack mount kit	Optional: rack mount kit
System	Carton Dimensions	530 × 475 × 300 mm (20.9 × 18.7 × 11.8 in)	640 × 570 × 440 mm (25.2 × 22.4 × 17.3 in)	530 × 570 × 320 mm (20.9 × 22.4 × 12.6 in)	530 × 570 × 320 mm (20.9 × 22.4 × 12.6 in)
	Gross Weight	14.9 kg (32.8 lb)	25.4 kg (56.0 lb)	14.1 kg (31.1 lb)	14.1 kg (31.1 lb)
	Product Codes	888473-2210 (EU, 230 V) 888473-2220 (UK, 230 V) 888473-5210 (AU, 240 V)	888472-1210 (NA, 120V)	888475-1210 (NA, 120 V) 888475-2210 (EU, 230 V) 888475-2220 (UK, 230 V) 888475-5210 (AU, 240 V)	888478-1110 (NA, 120 V) 888478-2110 (EU, 230 V) 888478-2120 (UK, 230 V) 888478-5120 (AU, 240 V)

** C4W available outside of North America only.

† C6W available in North America only.

VIDEOBARS

VB1

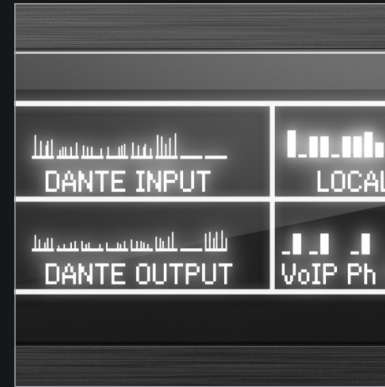


Driver Components	Stereo loudspeakers, ported enclosure
Amplifier Power	20 W per channel, < 0.3% distortion over frequency range
Max SPL (SPL / 1 W @ 1 m)	89 dB (IEC 60268-5, mono input, wall-mounted)
Freq Response (-10 dB), Loudspeaker	85 – 20,000 Hz
Freq Response (±3 dB), Microphone	20 – 15,000 Hz
Pickup Range , Microphone	6.0 m (19.7 ft)
Camera Field of View (Diag. × H × V)	123° × 115° × 81°
Camera Image Sensor	8 MP
Camera Focus & Zoom & Positioning	0.5 m (1.6 ft) to ∞, ≤ 5X digital zoom
Camera Positioning	Group autoframing mode, digital pan-tilt-zoom (PTZ) with 3 configurable presets
Video Resolutions	UHD 2160p (4K), 1080p, 720p, 960×480, 848×480, 640×480, 640×360, 432×240 (30 fps)
Video Encoding	H.264, M-JPEG
Onboard Image Processing	Camera & Video — Automatic white balance, automatic brightness, digital noise reduction Microphone — Static and adaptive dynamic beam-forming, 3 exclusion zones, stereo acoustic echo cancellation (AEC), digital noise suppression
Connectors	1 × USB Type-C® (to host computer with DisplayLink® driver, USB 3.0 UAC, UVC, HID) 1 × RJ-45 (1 Gbps Ethernet) 1 × HDMI® output (to display from host computer) 1 × 3.5 mm (1/8-in) TRS input 1 × 2-pin Euroblock <i>Bluetooth®</i> 4.2 HSP, A2DP, AVRCP, BLE
Network	Wired: RJ-45, 1 Gbps Ethernet (IEEE 802.3) Wireless: Wi-Fi® 802.11ac
Configuration/Control Software	Videobar™ Configuration — single-device configuration (Windows, macOS, or via web browser when connected to Videobar) Videobar Administration — multi-device configuration (Windows) Videobar Mobile — end-user control
User Controls Supported	Infrared remote control (included), Videobar Mobile app, Mute & <i>Bluetooth</i> buttons on side panel
Installation Technology	Table stand with hardware (included), wall-mount kit with hardware (included), ¼"-20 threaded insert on underside of table stand
Installation Accessories	Optional: display mounting kit, mud ring, right-angle USB 3.1 cable
Dimensions (H × W × D)	686 × 48 × 96 mm (27.0 × 1.9 × 3.8 in)
Net Weight	2.5 kg (5.6 lb)
Product Codes	842415-1110 (US, 120 V) 842415-2110 (EU, 230 V) 842415-3110 (JP, 100 V) 842415-4110 (UK, 240 V) 842415-5110 (AU, 240 V)



BOSE

PROFESSIONAL



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