Soundvision

Version: 3.0.10.1

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File name: Portsmouth Guildhall With DV-DOSC sept 2025.xmlp

Distance unit:	m
Scale factor:	1.000000
Weight unit:	kg
Delay unit:	ms

Console gain: 4 dB

1. Source: dV-DOSC 1

1. 1. Physical configuration

Configuration: vertical, flown array

Bumper: dV-BUMP2
motors: 1
Front motor position (X; Y; Z, m): 6 (7.99; 0.2; 8.99)

Position (X; Y; Z, m): 8; 0.5; 9
Site: 10.5 °
Azimuth: 2 °

Spatial dimensions (X; Y; Z, m): 0.7; 0.96; 2.67
Bottom elevation: 6.42 m

Top site: 6.8 °

Bottom site: -41.3 °

Total weight: 394.1 kg

Front motor load: 394.1 kg

#	Type	Angles (°)	Site (°)	Top Z (m)	Bottom Z (m)
1	dV-DOSC	7.5	6.8	9	8.77
2	dV-DOSC	2	4.8	8.77	8.55
3	dV-DOSC	4.5	0.3	8.55	8.32
4	dV-DOSC	2	-1.8	8.32	8.09
5	dV-DOSC	1	-2.8	8.09	7.86
6	dV-DOSC	7.5	-10.3	7.86	7.64
7	dV-DOSC	2	-12.3	7.64	7.42
8	dV-DOSC	3	-15.3	7.42	7.2
9	dV-DOSC	5.5	-20.8	7.2	6.98
10	dV-DOSC	5.5	-26.3	6.98	6.78
11	dV-DOSC	7.5	-33.8	6.78	6.59
12	dV-DOSC	7.5	-41.3	6.59	6.42

1. 2. Acoustic configuration

Enclosure 1: dV-DOSC

Gain: 3 dB

Enclosure 2: dV-DOSC

Gain: 3 dB

Enclosure 3: dV-DOSC

Gain: 3 dB

2. Source: dV-DOSC 2

2. 1. Physical configuration

Configuration: vertical, flown array

Bumper: dV-BUMP2
motors: 1
Front motor position (X; Y; Z, m): 6 (-8.01; 0.2; 8.99)

Position (X; Y; Z, m): -8; 0.5; 9
Site: 10.5 °
Azimuth: 2 °

Spatial dimensions (X; Y; Z, m): 0.7; 0.96; 2.67
Bottom elevation: 6.42 m
Top site: 6.8 °
Bottom site: -41.3 °

Total weight: 394.1 kg
Front motor load: 394.1 kg

#	Type	Angles (°)	Site (°)	Top Z (m)	Bottom Z (m)
1	dV-DOSC	7.5	6.8	9	8.77
2	dV-DOSC	2	4.8	8.77	8.55
3	dV-DOSC	4.5	0.3	8.55	8.32
4	dV-DOSC	2	-1.8	8.32	8.09
5	dV-DOSC	1	-2.8	8.09	7.86

#	Type	Angles (°)	Site (°)	Top Z (m)	Bottom Z (m)
6	dV-DOSC	7.5	-10.3	7.86	7.64
7	dV-DOSC	2	-12.3	7.64	7.42
8	dV-DOSC	3	-15.3	7.42	7.2
9	dV-DOSC	5.5	-20.8	7.2	6.98
10	dV-DOSC	5.5	-26.3	6.98	6.78
11	dV-DOSC	7.5	-33.8	6.78	6.59
12	dV-DOSC	7.5	-41.3	6.59	6.42

2. 2. Acoustic configuration

Enclosure 1: dV-DOSC

Gain: 3 dB

Enclosure 2: dV-DOSC

Gain: 3 dB

Enclosure 3: dV-DOSC

Gain: 3 dB

3. Source: dV-DOSC 3

3. 1. Physical configuration

Configuration: vertical, stacked array

Position (X; Y; Z, m): 9.5; 0; 1
Site: 0 °
Azimuth: 0 °

Spatial dimensions (X; Y; Z, m): 0.7; 0.45; 0.23

Bottom elevation: 1 m

Top site: 0 °

Bottom site: 0 °

Total weight: 31.8 kg

Mechanical warnings:

It is recommended to secure the array to the ground.

#	Type	Angles (°)	Site (°)	Top Z (m)	Bottom Z (m)
1	dV-DOSC		0	1.23	1

3. 2. Acoustic configuration

None

4. Source: dV-DOSC 4

4. 1. Physical configuration

Configuration: vertical, stacked array

Position (X; Y; Z, m): 5.5; 0; 1

Site: 0 °

Azimuth: 0 °

Spatial dimensions (X; Y; Z, m): 0.7; 0.45; 0.23

Bottom elevation: 1 m

Top site: 0 °

Bottom site: 0 °

Total weight: 31.8 kg

Mechanical warnings:

It is recommended to secure the array to the ground.

#	Type	Angles (°)	Site (°)	Top Z (m)	Bottom Z (m)
1	dV-DOSC		0	1.23	1

4. 2. Acoustic configuration

None

5. Source: dV-DOSC 8

5. 1. Physical configuration

Configuration: vertical, stacked array

Position (X; Y; Z, m): 1.5; 0; 1
Site: 0 °
Azimuth: 0 °

Spatial dimensions (X; Y; Z, m): 0.7; 0.45; 0.23
Bottom elevation: 1 m
Top site: 0 °
Bottom site: 0 °

Total weight: 31.8 kg

Mechanical warnings:

It is recommended to secure the array to the ground.

#	Type	Angles (°)	Site (°)	Top Z (m)	Bottom Z (m)
1	dV-DOSC		0	1.23	1

5. 2. Acoustic configuration

None

6. Source: dV-DOSC 7

6. 1. Physical configuration

Configuration: vertical, stacked array

Position (X; Y; Z, m): -1.5; 0; 1
Site: 0 °
Azimuth: 0 °

Spatial dimensions (X; Y; Z, m): 0.7; 0.45; 0.23
Bottom elevation: 1 m
Top site: 0 °
Bottom site: 0 °

Total weight: 31.8 kg

Mechanical warnings:
It is recommended to secure the array to the ground.

#	Type	Angles (°)	Site (°)	Top Z (m)	Bottom Z (m)
1	dV-DOSC		0	1.23	1

6. 2. Acoustic configuration

None

7. Source: dV-DOSC 5

7. 1. Physical configuration

Configuration: vertical, stacked array

Position (X; Y; Z, m): -5.5; 0; 1
Site: 0 °
Azimuth: 0 °

Spatial dimensions (X; Y; Z, m): 0.7; 0.45; 0.23
Bottom elevation: 1 m
Top site: 0 °
Bottom site: 0 °

Total weight: 31.8 kg

Mechanical warnings:
It is recommended to secure the array to the ground.

#	Type	Angles (°)	Site (°)	Top Z (m)	Bottom Z (m)
1	dV-DOSC		0	1.23	1

7. 2. Acoustic configuration

None

8. Source: dV-DOSC 6

8. 1. Physical configuration

Configuration: vertical, stacked array

Position (X; Y; Z, m): -9.5; 0; 1
Site: 0 °
Azimuth: 0 °

Spatial dimensions (X; Y; Z, m): 0.7; 0.45; 0.23
Bottom elevation: 1 m
Top site: 0 °
Bottom site: 0 °

Total weight: 31.8 kg

Mechanical warnings:
It is recommended to secure the array to the ground.

#	Type	Angles (°)	Site (°)	Top Z (m)	Bottom Z (m)
1	dV-DOSC		0	1.23	1

8. 2. Acoustic configuration

None

9. Source: SB28 3

9. 1. Physical configuration

Configuration: horizontal, stacked array

Position (X; Y; Z, m): -12; 0.6; 0
Site: 0 °
Azimuth: 0 °

Spatial dimensions (X; Y; Z, m): 2.2; 0.7; 1.3
Bottom elevation: 0 m
Top site: 0 °
Bottom site: 0 °

Total weight: 372 kg

Mechanical warnings:
It is recommended to secure the array to the ground.

#	Type	Angles (°)	Site (°)	Top Z (m)	Bottom Z (m)
1	SB28		0	1.3	0
2	SB28	0	0	1.3	0
3	SB28	0	0	1.3	0
4	SB28	0	0	1.3	0

9. 2. Acoustic configuration

None

10. Source: SB28 4

10. 1. Physical configuration

Configuration: horizontal, stacked array

Position (X; Y; Z, m): 12; 0.6; 0
Site: 0 °
Azimuth: 0 °

Spatial dimensions (X; Y; Z, m): 2.2; 0.7; 1.3
Bottom elevation: 0 m
Top site: 0 °
Bottom site: 0 °

Total weight: 372 kg

Mechanical warnings:
It is recommended to secure the array to the ground.

#	Type	Angles (°)	Site (°)	Top Z (m)	Bottom Z (m)
1	SB28		0	1.3	0
2	SB28	0	0	1.3	0
3	SB28	0	0	1.3	0
4	SB28	0	0	1.3	0

10. 2. Acoustic configuration

None

11. Source: ARCS 1

11. 1. Physical configuration

Configuration: horizontal, flown array with HF up

Bumper: BUMP3
motors: 1
Front motor position (X; Y; Z, m): 6 (-11.45; 0.27; 2.18)

Position (X; Y; Z, m): -11.5; 0.6; 2.1
Site: -5.1 °
Azimuth: -8 °

Spatial dimensions (X; Y; Z, m): 0.86; 0.79; 0.94
Bottom elevation: 1.28 m
Top site: -5.1 °
Bottom site: -5.1 °

Total weight: 121.7 kg
Front motor load: 121.7 kg

#	Type	Angles (°)	Site (°)	Top Z (m)	Bottom Z (m)
1	ARCS	0	-5.1	2.1	1.29
2	ARCS	22.5	-5.1	2.1	1.29

11. 2. Acoustic configuration

None

12. Source: ARCS 2

12. 1. Physical configuration

Configuration: horizontal, flown array with HF up

Bumper: BUMP3
motors: 1
Front motor position (X; Y; Z, m): 6 (11.45; 0.27; 2.18)

Position (X; Y; Z, m): 11.5; 0.6; 2.1
Site: -5.1 °
Azimuth: 8 °

Spatial dimensions (X; Y; Z, m): 0.86; 0.79; 0.94
Bottom elevation: 1.28 m
Top site: -5.1 °
Bottom site: -5.1 °

Total weight: 121.7 kg
Front motor load: 121.7 kg

#	Type	Angles (°)	Site (°)	Top Z (m)	Bottom Z (m)
1	ARCS	0	-5.1	2.1	1.29
2	ARCS	22.5	-5.1	2.1	1.29

12. 2. Acoustic configuration

None

13. Source: hk cohedra compact side balc

13. 1. Physical configuration

Configuration: vertical, flown array

Position (X; Y; Z, m): 12; 0.4; 6.5
Site: 0 °
Azimuth: 0 °

Spatial dimensions (X; Y; Z, m): 0.25; 0.26; 0.42
Bottom elevation: 6.29 m
Top site: 0 °
Bottom site: 0 °

Total weight: 12 kg

#	Type	Angles (°)	Site (°)	Top Z (m)	Bottom Z (m)
1	X8		0	6.71	6.29

13. 2. Acoustic configuration

None

14. Source: hk cohedra compact side balc

14. 1. Physical configuration

Configuration: vertical, flown array

Position (X; Y; Z, m): -12; 0.4; 6.5
Site: 0 °
Azimuth: 0 °

Spatial dimensions (X; Y; Z, m): 0.25; 0.26; 0.42

Bottom elevation: 6.29 m

Top site: 0 °

Bottom site: 0 °

Total weight: 12 kg

#	Type	Angles (°)	Site (°)	Top Z (m)	Bottom Z (m)
1	X8		0	6.71	6.29

14. 2. Acoustic configuration

None

15. Source: MTD108a 1

15. 1. Physical configuration

Configuration: horizontal, flown array

Position (X; Y; Z, m): -9.5; 18.5; 4.3

Site: -25 °

Azimuth: 0 °

Spatial dimensions (X; Y; Z, m): 0.42; 0.31; 0.32

Bottom elevation: 4.19 m

Top site: -25 °

Bottom site: -25 °

Total weight: 10.5 kg

#	Type	Angles (°)	Site (°)	Top Z (m)	Bottom Z (m)
1	MTD108a		-25	4.41	4.19

15. 2. Acoustic configuration

None

16. Source: Copy of MTD108a 1

16. 1. Physical configuration

Configuration: horizontal, flown array

Position (X; Y; Z, m): -3; 18.5; 4.3
Site: -25 °
Azimuth: 0 °

Spatial dimensions (X; Y; Z, m): 0.42; 0.31; 0.32
Bottom elevation: 4.19 m
Top site: -25 °
Bottom site: -25 °

Total weight: 10.5 kg

#	Type	Angles (°)	Site (°)	Top Z (m)	Bottom Z (m)
1	MTD108a		-25	4.41	4.19

16. 2. Acoustic configuration

None

17. Source: Copy of Copy of MTD108a 1

17. 1. Physical configuration

Configuration: horizontal, flown array

Position (X; Y; Z, m): 3; 18.5; 4.3
Site: -25 °
Azimuth: 0 °

Spatial dimensions (X; Y; Z, m): 0.42; 0.31; 0.32
Bottom elevation: 4.19 m
Top site: -25 °
Bottom site: -25 °

Total weight: 10.5 kg

#	Type	Angles (°)	Site (°)	Top Z (m)	Bottom Z (m)
1	MTD108a		-25	4.41	4.19

17. 2. Acoustic configuration

None

18. Source: Copy of Copy of Copy of MTD108a 1

18. 1. Physical configuration

Configuration: horizontal, flown array

Position (X; Y; Z, m): 9.5; 18.5; 4.3
Site: -25 °

Azimuth: 0 °

Spatial dimensions (X; Y; Z, m): 0.42; 0.31; 0.32

Bottom elevation: 4.19 m

Top site: -25 °

Bottom site: -25 °

Total weight: 10.5 kg

#	Type	Angles (°)	Site (°)	Top Z (m)	Bottom Z (m)
1	MTD108a		-25	4.41	4.19

18. 2. Acoustic configuration

None