TOA — ACTIVE LINE ARRAY SPEAKER — SR-D8-S(CE/CU)

■DESCRIPTION

The TOA SR-D8-S is an all-in-one active line-array speaker that features CobraNet protocol digital audio input, digital signal processor, digital power amplifier and speakers configured in a line array. Precise control of the speaker's vertical directivity and acoustic beamwidth makes it possible to create fully optimized sound spaces in a wide range of locations. All function settings can be controlled from a remote PC using the supplied setting software. Equipped with primary audio input, the SR-D8-M (option) transmits the audio signal to the secondary SR-D8-S via the SR-D8-M's dedicated local link.
The local link allows up to 3 SR-D8-S speaker units to be connected in series to one SR-D8-M (option), permitting a line array of up to 4 connected speakers (hereinafter, this multi-unit array is referred to as "stack") to be configured. In a complete system, up to 4 stacks can be controlled, making it possible to build speaker systems consisting of up to 16 speakers.

■SPECIFICATIONS

*0 dB = 0.775 V

Version	CE	CU
Power Source	220 − 240 V AC, 50/60 Hz	120 V AC, 60 Hz
Power Consumption	310 W (rated output) 72 W (based on EN standards)	315 W (rated output) 72 W (based on UL/CSA standards)
Frequency Response	130 Hz − 20 kHz	
Signal to Noise Ratio	100 dB or more (A-weighted), DSP+Digital power amplifier	
Amplification System	Class D, 8 channels	
Speaker Component	Low frequency: 10 cm cone-type ×8 High frequency: 2.5 cm balanced dome-type ×24	
Output	30 W, 1 channel (1 % THD+N)	
Maximum SPL	93 dB SPL (A-weighted, pink noise, 30 m (32.81 yd))	
Vertical Variable Angle	−45° to +45° (Adjustable by using the supplied SR-D8 setting software)	
Horizontal Directional Angle	90°	
Sampling Frequency	48 kHz	
Network I/F		
Control	LAN: TCP/IP, 100BASE-TX 1 system, RJ45 receptacle (etherCON: NEUTRIK) Connection cable: Shielded twisted pair (STP) Cat 5 or higher LAN cable To be connected via the specified switching hub Max extend distance: 100 m (109.36 yd) (connected via a switching hub)	
Communication Between Main and Sub Units	LOCAL LINK: TOA original digital audio transmission, RJ45 receptacle (etherCON: NEUTRIK) Connection cable: Shielded twisted pair (STP) Cat 5 or higher LAN cable	
Operating Temperature	0 ℃ to +40 ℃ (32 ℉ to 104 ℉)	
Operating Humidity	90 %RH or less (no condensation)	
Finish	Enclosure: MDF, white, paint Front grille: Punched steel plate, white, acrylic paint	
Dimensions	160 (W) × 895 (H) × 255 (D) mm (6.3" × 35.24" × 10.04")	
Weight	21 kg (46.3 lb)	
Accessory	Power supply cord (2 m (6.56 ft)) …1, removable terminal plug (3 pins) …1, removable terminal plug (2 pins) …1	

※ CobraNet is a registered trademark of Cirrus Logic Corporation.
※ etherCON is a registered trademark of NEUTRIK Corporation.
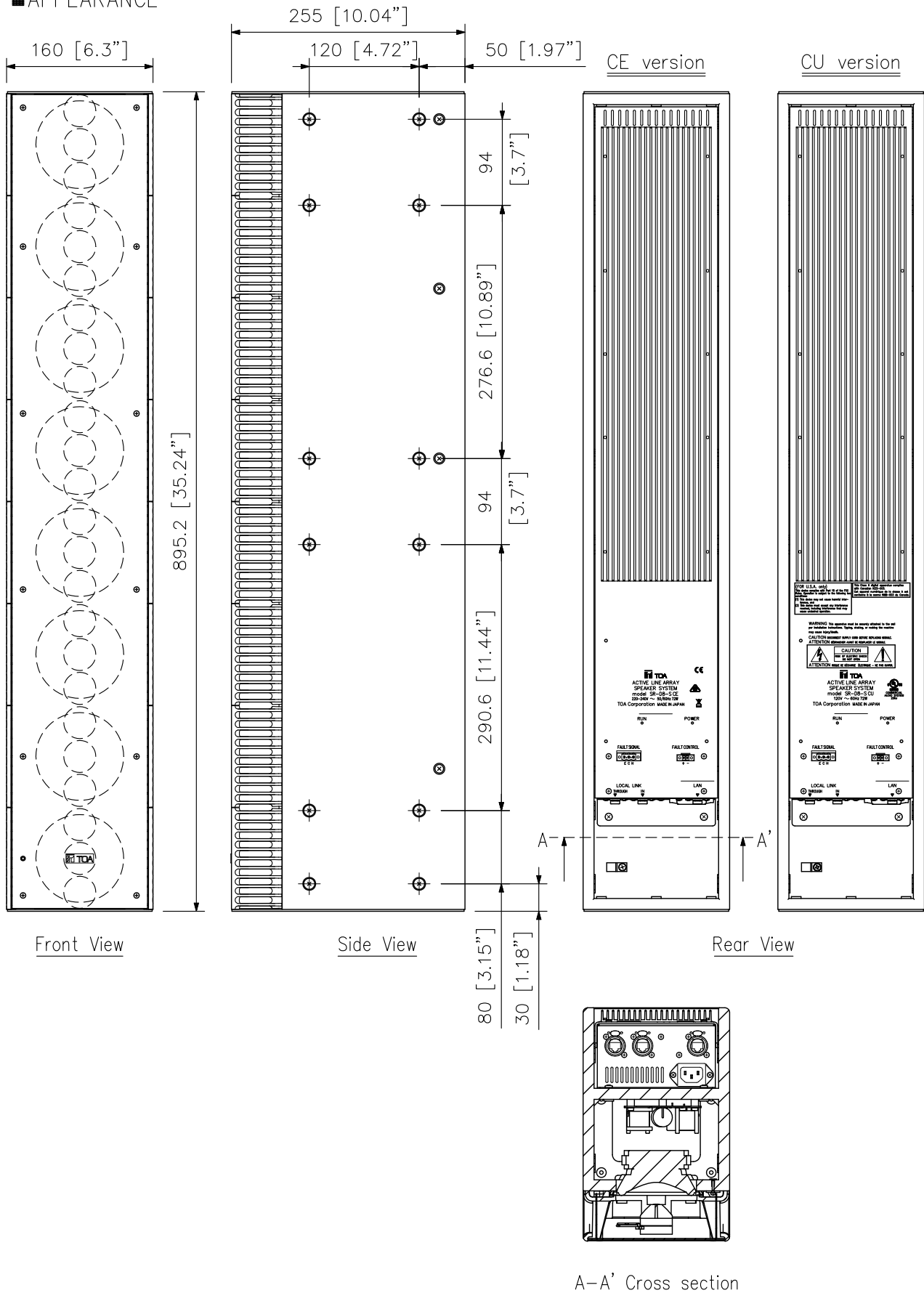
Personal Computer Requirements

Requirements	CPU: Pentium 4, 2 GHz or faster Memory: 1.5 GB or more (2 GB recommended) Display: 1024 × 768 resolution or higher Free Hard Disk Space: 16 MB or more, however 850 MB or more is required for the 32-bit version or 2 GB or more for the 64-bit version when ".NET Framework" is not yet installed Optical Drive: CD-ROM drive Network Adapter: 100BASE-T or faster connection
OS	Windows 7 (32/64-bit), Windows 10 Pro (32/64-bit)
Required Component	.NET Framework 4 Client Profile

※ Windows is a registered trademark or trademark of Microsoft Corporation in the United States and/or other countries.
※ Pentium is a trademark of Intel Corporation.
※ Other company names and products are also trademarks of individual companies.

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TOA ACTIVE LINE ARRAY SPEAKER SR-D8-S(CE/CU)

■APPEARANCE

160 [6.3"]

255 [10.04"]

120 [4.72"] 50 [1.97"]

CE version   CU version

94 [3.7"]

276.6 [10.89"]

895.2 [35.24"]

94 [3.7"]

290.6 [11.44"]

ACTIVE LINE ARRAY
SPEAKER SYSTEM
model SR-D8-S CE
220-240V ～ 50/60Hz 72W
TOA Corporation MADE IN JAPAN

RUN   POWER

FAULT SIGNAL   FAULT CONTROL

LOCAL LINK   LAN
THROUGH IN

ACTIVE LINE ARRAY
SPEAKER SYSTEM
model SR-D8-S CU
120V ～ 60Hz 72W
TOA Corporation MADE IN JAPAN

RUN   POWER

FAULT SIGNAL   FAULT CONTROL

LOCAL LINK   LAN
THROUGH IN

A ────── A'

80 [3.15"]

30 [1.18"]

Front View   Side View   Rear View

A-A' Cross section

UNIT:mm   SCALE:1/6

13C

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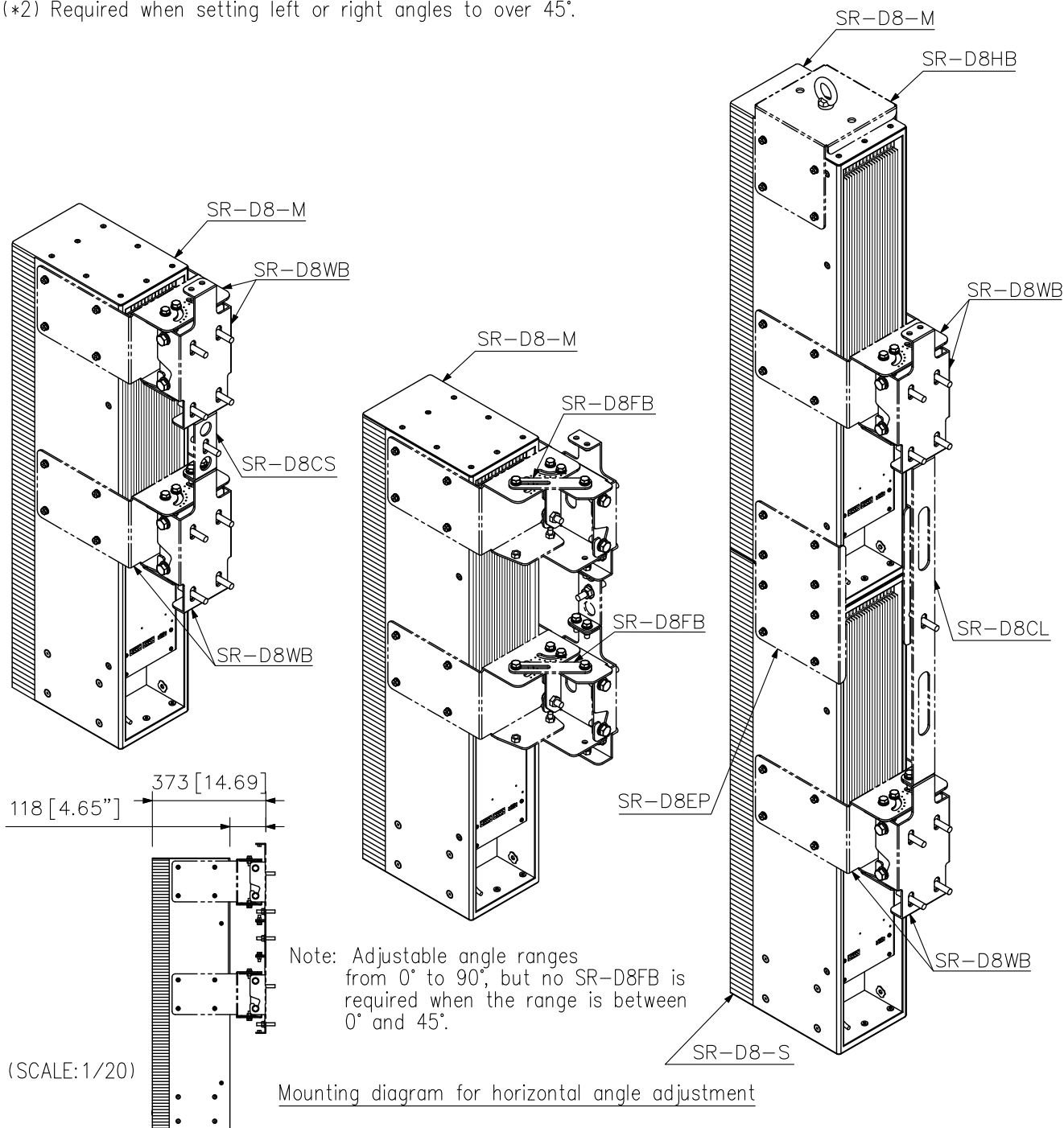DWG No: GSR02BC1-1

TOA   ACTIVE LINE ARRAY SPEAKER   SR-D8-S(CE/CU)

The number of linked speakers and joint brackets (option) to use

		Single Unit	2-Unit Configuration	3-Unit Configuration	4-Unit Configuration
Speaker	SR-D8-M	1	1	1	1
	SR-D8-S	0	1	2	3
Extension plate	SR-D8EP	0	1	2	3
Wall mounting bracket	SR-D8WB	2	2	3	4
Wall mounting adapter	SR-D8CS	1	0	0	0
Wall mounting adapter	SR-D8CL	0	1	2	3
Hoisting bracket	SR-D8HB	0	1	1	1
Fixing bar (*2)	SR-D8FB	2	2	3	4

(*2) Required when setting left or right angles to over 45°.

SR-D8-M
SR-D8HB
SR-D8WB
SR-D8-M
SR-D8WB
SR-D8CS
SR-D8WB
SR-D8-M
SR-D8FB
SR-D8FB
SR-D8CL
SR-D8EP
SR-D8WB
SR-D8-S

373 [14.69]
118 [4.65"]

(SCALE:1/20)

Note: Adjustable angle ranges
from 0° to 90°, but no SR-D8FB is
required when the range is between
0° and 45°.

Mounting diagram for horizontal angle adjustment

Wall mounting diagram for single unit

Wall mounting diagram for 2-unit configuration

Note: Install the single unit or multi-unit array in vertical orientation
to the wall tilting within 30°.

UNIT:mm   SCALE:1/10

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DWG No: GSR02BC2-2