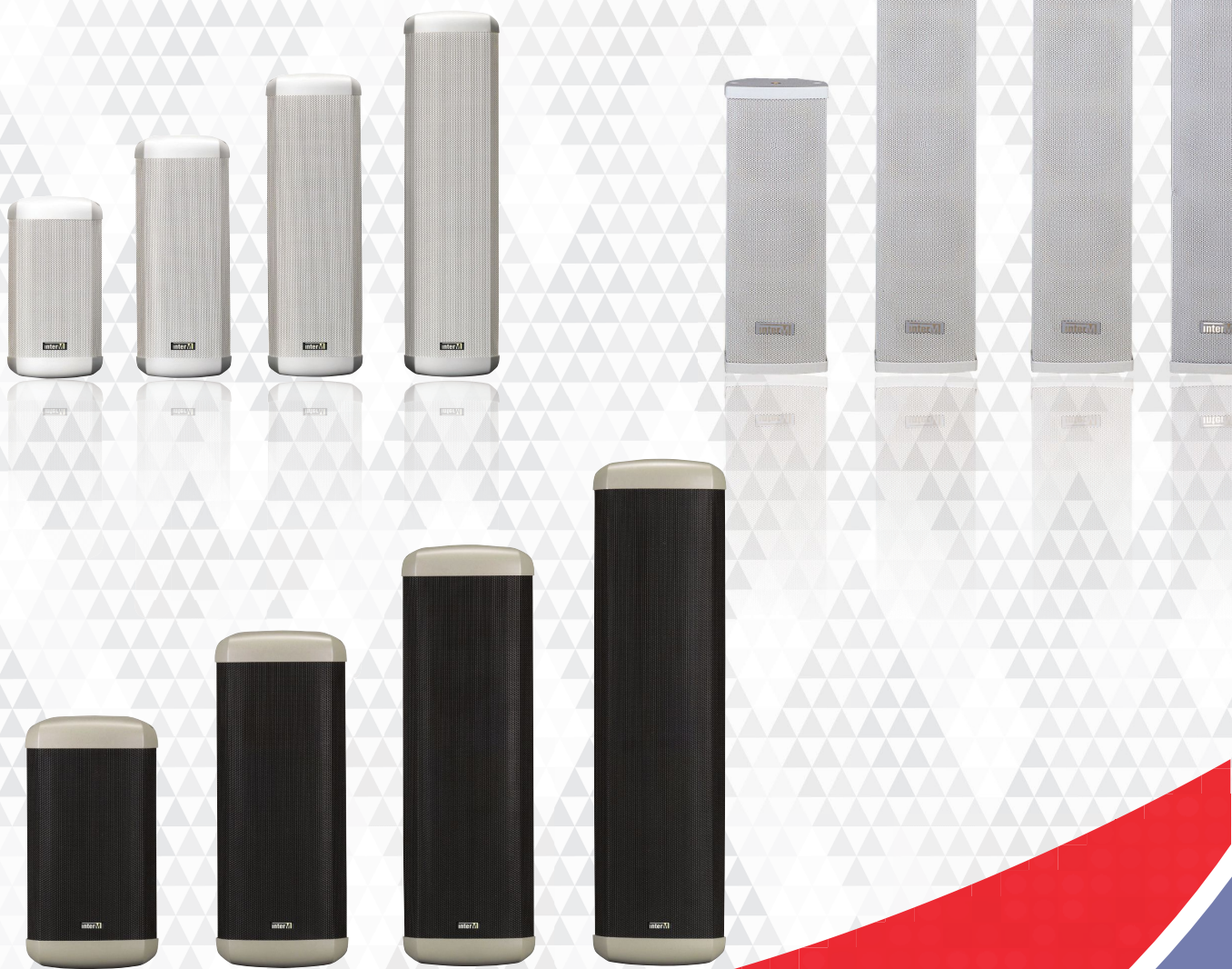
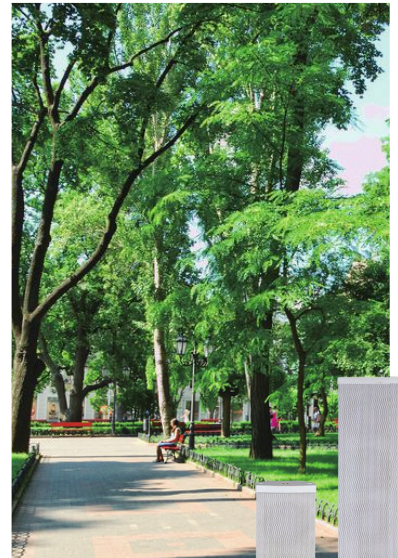


COLUMN SPEAKER



Column Speaker



Inter-m column speakers provide a clean and dedicated design with rich sound quality and are used for indoor/outdoor announcement and BGM. A variety of lineups can be easily adopted in any type of user environment depending on power and size. And Inter-M get the certification of KS that can be guarantee the quantity and durability for the first time in Korean market.

Korea standard speaker (KS standard)



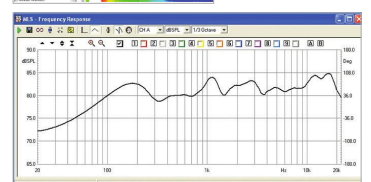
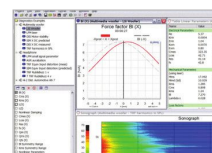
Inter-M is the first company among the speaker system manufacturers in domestic market to get the certification of KS. This certification is applied to the factory of the speaker system manufacturer so whole speaker line which is produced in Inter-M is included in the range of KS certification.

Also, the column speaker of Inter-M passed the AES, CEA standard which is common use for domestic and international.



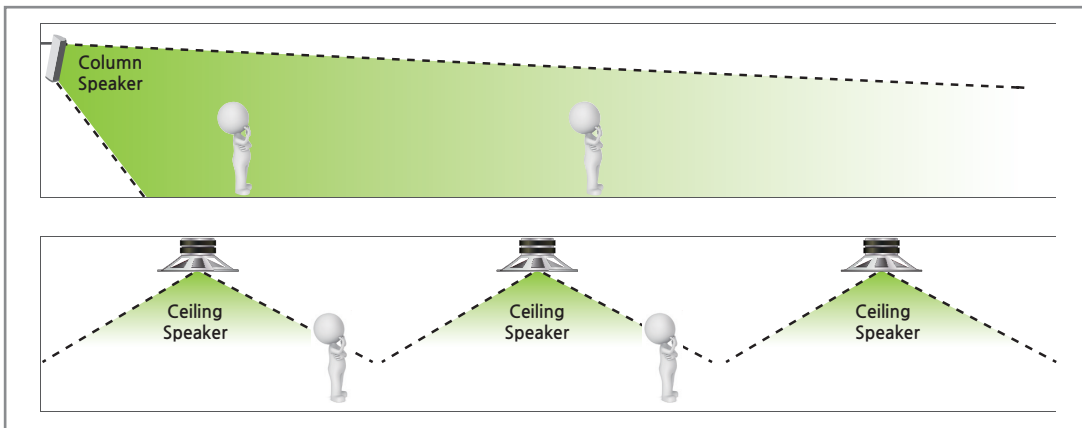
Quality Control

The product pass the five types of test such as frequency response, buzz column, harmonics and so on can be received the 'pass' and these test is automatically operated so it can be guarantee the exact test.



Column Speaker

The advantage of column array



Column speaker of Inter-M basically has the character of line array so it can be provide high sound pressure as 3 dB that is half of amount of decreasing sound pressure compared with one unit speaker. In case of cell speaker, the space that can be influenced by direct sound pressure is small due to the pattern of vertical but the column speaker can cover the large location such as lobby, exhibition, amusement park, museum and so on because it is possible to send output far away.

Outdoor speaker of waterproof and moisture proofing

The column speaker of Inter-M for outdoor is designed for producing of optimal performance even in poor circumstance. And this speaker can be performed over IP-34 level so it can be prevent the break-down and change of speaker even if the speaker is used for long time.

In case of CU-900 series, in-closure is made by Aluminum and composed of the waterproof units so it produces rich quantity sound at the shore area and location where the product can be corroded.



The combination of speaker and amplifier



20W x 15



600W

In the past PA system, same speaker was installed for emergency and announcement so the output range of amplifier was installed according to the output range of speaker. However, present PA system was utilized for not only broadcasting but also for BGM. Therefore, the higher output of amplifier and speakers are needed for clear announcement and more dedicated music sound. The output of amplifier should be installed twice bigger than output of speaker for high quality and clear sound.

Column Speaker

CU-410/420/430/440

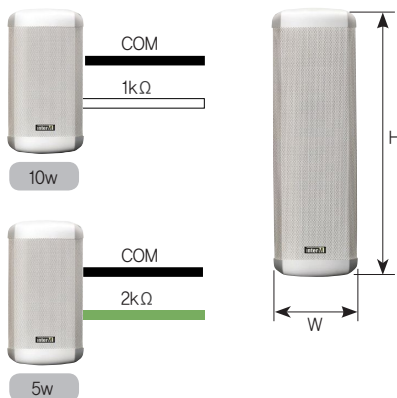


A New design of column speaker, CU-400 series, is for indoor speaker, and it matches with interior very well. Also, the first column speaker that has the KS certification can be guaranteed high reliability and function and it provide a rich quality sound so it fit to multiple usage building such as department store.

FEATURES

- Full range driver unit
- Using of high quality matching transformer
 - CU-410 (10W) : 1k Ω (White)/ 2k Ω (Green)
 - CU-420 (20W) : 500 Ω (White)/ 1k Ω (Green)
 - CU-430 (30W) : 330 Ω (White)/ 660 Ω (Green)
 - CU-440 (40W) : 250 Ω (White)/ 500 Ω (Green)
- Light gray color for matching with interior
- User based design for fast installation
- Direction adjustable with bracket
- Grading of IP-34

The example of speaker connection (CU-410)



	H(Length)mm	W(Width)mm	D(Depth)mm
CU-410	300	156	129
CU-420	400		
CU-430	500		
CU-440	600		



CU-510/520/530/540(A)

Column Speaker

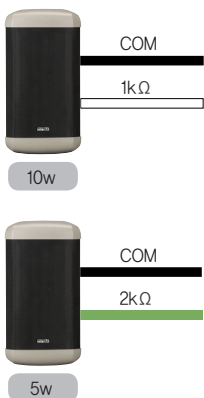


This series are Column speakers for outdoor with dedicated design and these models ensure weather proof and dampproof for working in the harsh outdoor environments. Therefore, they are good for the outdoor place such as amusement park, park and parking lot. The models of 'A' are for installment on streetlights or pole so brackets 'U' are provided.

FEATURES

- Full range driver unit
- Using of high quality matching transformer
 - CU-510(A) (10W) : 1k Ω (White)/ 2k Ω (Green)
 - CU-520(A) (20W) : 500 Ω (White)/ 1k Ω (Green)
 - CU-530(A) (30W) : 330 Ω (White)/ 660 Ω (Green)
 - CU-540(A) (40W) : 250 Ω (White)/ 500 Ω (Green)
- 'U' bracket for easy installing on streetlight and pole
- Strong steel grill on front for preventing of influence from outside
- User based design for fast installation
- Angle adjustment by mounting bracket
- Grading of IP-34

The example of speaker connection (CU-510)

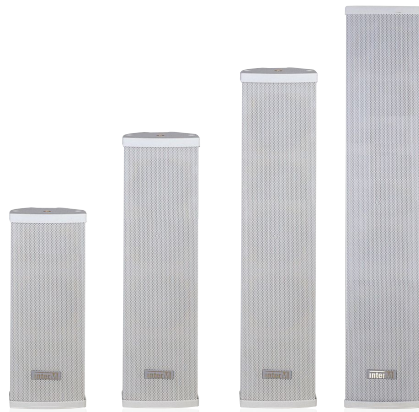


	H(Length)mm	W(Width)mm	D(Depth)mm
CU-510	300	156	129
CU-520	400		
CU-530	500		
CU-540	600		



Column Speaker

CU-910(V)/920(V)/930(V)/940(V)

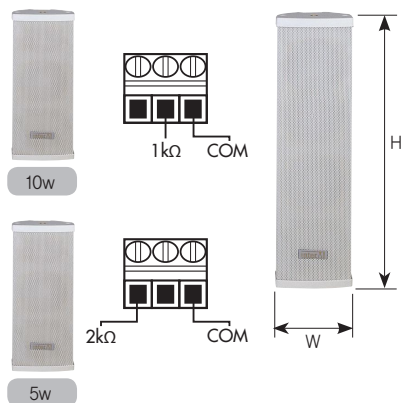


CU-900(V) series are the speaker of 2 way methods and provide rich quality sound for Indoor. The column speakers with light gray color and having narrow width (104mm) are fit for the places where are small areas and need to minimize the exposure.

FEATURES

- 2 way Driver unit
- Top quality matching transformer is used
 - CU-910/910V(10W) : 1k Ω / 2k Ω
 - CU-920/920V(20W) : 500 Ω / 1k Ω
 - CU-930/930V(30W) : 330 / 660 Ω
 - CU-940/940V(40W) : 250 Ω / 500 Ω
- Detail and rich sound quality
- Strong aluminum frame which guarantees the strength of the cabinet
- The highest grade of twitter speakers are used to achieve the best of the sound
- User based design for fast installation
- Weatherproof, dampproof materials ensure this speaker suitable for working in the harsh outdoor environments
- Speaker Terminal added for easy installing and convenience
- Grading of IP-34

The example of speaker connection (CU-910)



	H(Length)mm	W(Width)mm	D(Depth)mm
CU-910(V)	290	104	86
CU-920(V)	400		
CU-930(V)	490		
CU-940(V)	580		

CU-920H(V)/940H(V)

Column
Speaker

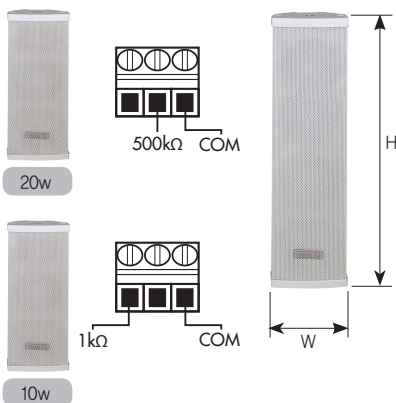


The models of CU-920H(V), CU-940H(V) are for outdoor column speaker of CU-900 series. These models are combined with the high quality of CU-900 and durability for outdoor. 'V' model can send sound far way by using the horn tweeter.

FEATURES

- 2 way driver unit for outdoor
- High quality matching transformer is used
 - CU-920H/920HV(10W) : 500Ω / 1kΩ
 - CU-940H/940HV(20W) : 250Ω / 500Ω
- Top quality durable units are applied for high sound pressure level and excellent sound reproduction performance
- Strong aluminum frame which guarantees the strength of the cabinet
- The highest grade of twitter speakers are used to achieve the best of the sound
- User based design for fast installation
- Speaker Terminal added for easy installing and convenience
- Grading of IP-34

The example of speaker connection (CU-920H)



	H(Length)mm	W(Width)mm	D(Depth)mm
CU-920H(V)	400	104	86
CU-940H(V)	580		



Column Speaker

Recommended speaker table

	Indoor			Government	Outdoor		Waterproof, moisture-proof
	Downtown/ School	Factory/ Exhibition	Locked car park		Outdoor plants/ Parking lot	Vehicle ramp/ Outdoor Playground	
	Small output	High Power output	Small		KS Certification	Small output	High Power output
CU-410	o		o	o			34
CU-420	o	o	o	o			34
CU-430		o		o			34
CU-440		o		o			34
CU-510				o	o		34
CU-520				o	o		34
CU-530				o		o	34
CU-540				o		o	34
CU-910(V)	o			o			34
CU-920(V)	o			o			34
CU-930(V)		o		o			34
CU-940(V)		o		o			34
CU-920H				o	o		34
CU-920HV				o		o	34
CU-940H				o		o	34
CU-940HV				o		o	34

IP-34 : Protected against water splashing in all directions.



Column Speaker

Column Speakers Specifications

Model	Type	Rated power input	Impedance(Ω)	Frequency Response	Sensitivity	Weight	Specifications (mm)
CU-410	1Way	10W	1k Ω /2k Ω	180Hz ~ 14kHz	91dB	2.8kg	156x300x129
CU-420		20W	500 Ω /1k Ω		94dB	3.8kg	156x400x129
CU-430		30W	330 Ω /660 Ω		95dB	4.8kg	156x500x129
CU-440		40W	250 Ω /500 Ω		97dB	5.8kg	156x600x129
CU-510		10W	1k Ω /2k Ω		91dB	2.8kg	156x300x129
CU-520		20W	500 Ω /1k Ω		94dB	3.8kg	156x400x129
CU-530		30W	330 Ω /660 Ω		95dB	4.8kg	156x500x129
CU-540		40W	250 Ω /500 Ω		95dB	5.8kg	156x600x129
CU-510A		10W	1k Ω /2k Ω		91dB	2kg	150x300x129
CU-520A		20W	500 Ω /1k Ω		94dB	3kg	150x400x129
CU-530A		30W	330 Ω /660 Ω		95dB	4kg	150x500x129
CU-540A		40W	250 Ω /500 Ω		95dB	5kg	150x600x129
CU-910(V)	2Way	10W	1k Ω /2k Ω	220Hz ~ 15kHz 220Hz ~ 18kHz(V)	88dB	1.45kg	104x290x86
CU-920(V)		20W	500 Ω /1k Ω		89dB	2.35kg	104x400x86
CU-930(V)		30W	330 Ω /660 Ω		91dB	2.85kg	104x490x86
CU-940(V)		40W	250 Ω /500 Ω		91dB	3.35kg	104x580x86
CU-920H		20W	500 Ω /1k Ω	180Hz ~ 15kHz	91dB	2.35kg	104x400x86
CU-920HV				220Hz ~ 18kHz	91dB	2.35kg	
CU-940H		40W	250 Ω /500 Ω	180Hz ~ 15kHz	91dB	3.35kg	104x580x86
CU-940HV				220Hz ~ 18kHz	91dB	3.35kg	



Column
Speaker

NOTE



NOTE

Column
Speaker





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※ Design and specification are subject to be changed for the improvement of product quality without pre notice.

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