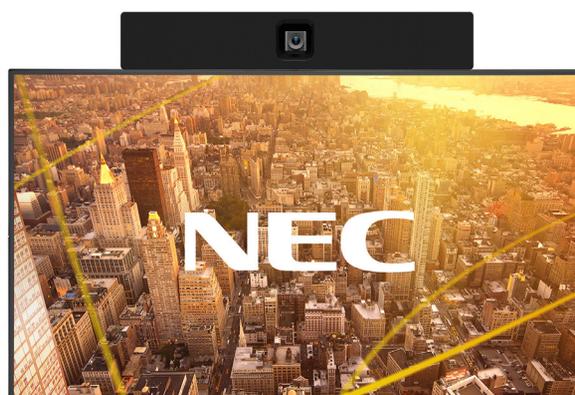


# NEC Collaboration Soundbar

## All-in-One Collaboration Solution

The universal conferencing solution for smaller meeting rooms.

With the NEC Collaboration Soundbar, your display becomes the perfect solution for video conferencing spaces. Widen the objectives of your meeting and enhance your display with audio and video capability at highest standards.



### Delivering Genuine Benefits

- **Facilitate productive communication** – all components necessary for efficient video conferencing are included: camera, microphone and speaker
- **Flexible configuration to fit your need** – hardware set-up as of your requirements to meet your individual meeting room demand
- **Designed to just work** – without driver installation, this is a real ready to go plug and play solution
- **Universal mounting approach** – maximum installation flexibility with different brackets available: included wall mount or an optional VESA mount
- **A commitment to quality** – 3 years warranty and 24/7 ready operation to meet long-term demands ensuring peace of mind

# Collaboration Soundbar Components

## Conferencing Speakers



- The ultra-low distortion speakers deliver excellent speech intelligibility, whether using the active or passive variant.
- To provide a crisp audio, the solid MDF cabinet effectively absorbs potential disturbances from vibrations.
- The wide dispersion of the speakers extends the sweet spot to anywhere in the room, transmitting the spoken word with perfect clarity to the participants of web or telephone conferences and remote meetings.

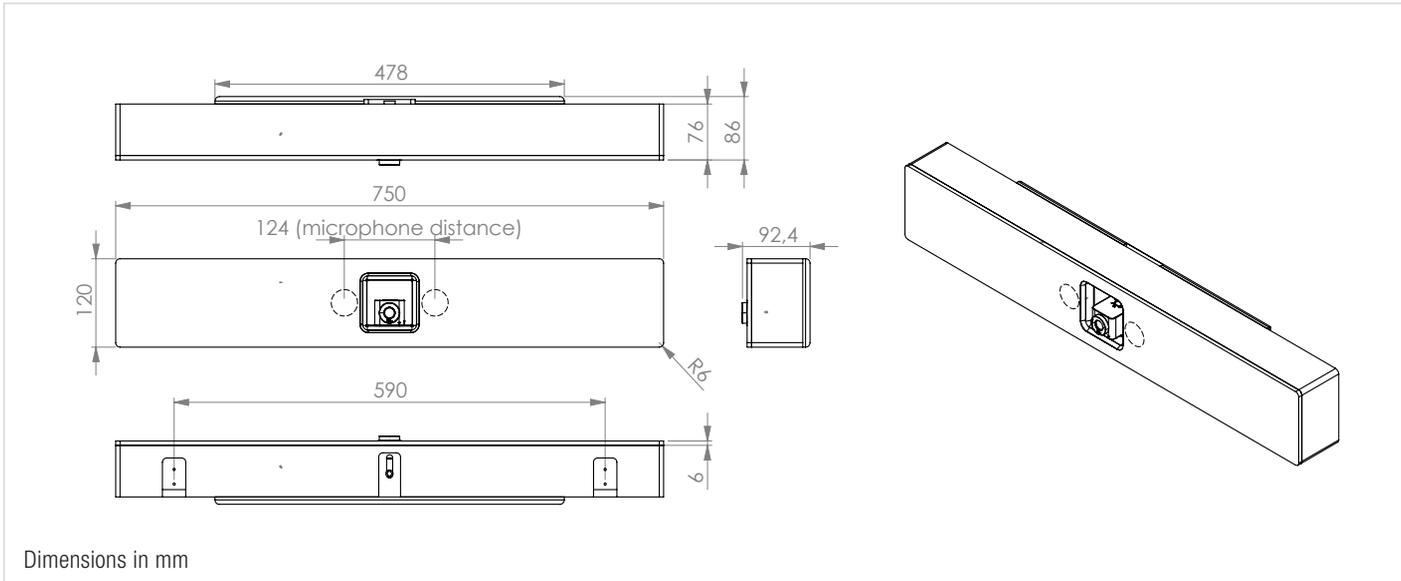
## Video Conference Camera & Microphones and Echo-Cancelling Box



- Video Conference Camera**
- Encompass the entire meeting room with 120° viewing angle
  - Perfect viewing at any distance, whether standing in front or sitting at the back
  - Auto-adapts to any lighting condition

- Microphones and Echo-Cancelling Box**
- Exceptional audio clarity in meeting environments with two built-in microphones, providing increased pick up quality via directional beamforming.
  - Maximised echo-free audio quality with integrated noise- and echo-cancelling system to filter out disruptive audio signals.

## Technical Drawings



## Technical Specifications

PRODUCT INFORMATION	
Product Name	Collaboration Soundbar
CONFERENCING SPEAKERS	
Maximum Input	40 W
Rated Speaker Impedance	8 Ohm
Frequency Response Range	70 Hz to 15 kHz
Sound Pressure Level	82.1 dB (2.83 V)
VIDEO CONFERENCE CAMERA	
Viewing Angle	152° diagonal, 120° horizontal, 92° vertical
Resolution	16 megapixels sensor / HD 720p 30fps output
Aspect Ratio	16:9
Optical Capabilities	Digital Pan / Tilt / Zoom with 3 x lossless digital zoom
Driver	Plug & Play - driverless install
Connectivity	SuperSpeed USB 3.0
Software Specification	Spatio-temporal noise filtering / High-quality / video scaling and dewarping flicker elimination / Robust automatic white balance / Optical aberration correction / 3DNR / sensor-model based visual noise reduction
ECHO-CANCELLING BOX	
Frequency and Bandwidth	32 kHz sampling frequency; 100Hz – 16kHz bandwidth
Echo Cancelling	Two levels of echo cancelling, aggressiveness and three levels of echo cancelling speed
Controllable length	up to 220 mms
Noise Suppression	Residual noise suppressed to the environment noise level to prevent pumping noise
Preset Colour Filters	Eight preset colour filters for both the output and the speaker signal
Delay	10 msec
Levels and boost	Mic level 280mV peak-to-peak; Line level 2/4V peak to peak; Add 6dB boost
AV-230 AMPLIFIER	
Output power	Stereo: 2 x 30 W (peak), 2 x 15 W (rms), 4 Ohm
External power supply	+/- 18VDC, 0.83 A
Frequency response	10 Hz - 50 kHz (+ 0/- 3dB)
Total harm. dist. (THD+N)	0.25%, 20Hz<f<20KHz. Pout<Pr/2
Power efficiency	85 %
Channel separation	85 dB
Idle power consumption	< 1 W
Input impedance	10KOhm
Input	Balanced Stereo
Dimensions	88 mm (W) x 68 mm (D) x 25 mm (H)
Net. Weight unit	0.128 kg

## Product Specification

	SP-PS	SP-AS	SP-PSM	SP-ASM	SP-PSC	SP-ASC	SP-PSCM	SP-ASCM
Order Code	100015011	100015010	on demand	on demand	on demand	on demand	100015078	100015077

SOUNDBAR DATA								
Dimensions [mm]	750 x 86 x 120 (excluding camera)							
Weight [kg]	3.1	3.9	3.2	4.0	3.2	4.0	3.3	4.1

SHIPPING DATA								
Dimensions [mm]	800 x 120 x 100 (including all components)							
Weight [kg]	4.1	4.9	4.2	5.0	4.2	5.0	4.3	5.1

SUPPORTED NEC HARDWARE								
Large Format Displays *	X	0	X	0	X	0	X	0
Mounting Solutions	Wall mount is included in the package; additional VESA-mount for 40"-50" (Ordercode: 100015041) and 55"-86" (Ordercode: tbd) displays are available							

NEC SERVICE								
Warranty	3 years							

\* X: All NEC Large Format Displays **EXCEPT** C431, C501 and C551

0: Mainly for NEC MultiSync C431, C501 and C551, but compatible with **ALL** NEC Large Format Displays

## Compatibility

Model	Soundbar	Amplifier	Microphone	Camera
SP-PS	•			
SP-AS	•	•		
SP-PSM	•		•	
SP-ASM	•	•	•	
SP-PSC	•			•
SP-ASC	•	•		•
SP-PSCM	•		•	•
SP-ASCM	•	•	•	•

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