## Signia Nx Hearing Aids - Feature Overview



## Nx platform features

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Features	Information	Performance Levels		
Audiology		7Nx	5Nx	3Nx
OVP™ (Own Voice Processing)	Own Voice Processing (OVP™) utilizes real-time recognition of the wearer's voice to deliver a natural own-voice impression.  Available for RIC/BTE devices with Ultra HD e2e.	•••••	••••	••••
3D Classifier	Unlike conventional classification systems which rely on acoustic data, 3D Classifier analyzes multi- dimensional information from the wearer's environment and communication behavior. Information on the wearer's voice a	••••	••••	•••
Sound Clarity	Sound Clarity provides lifelike sound which covers the full spectrum of wearing situations. Exceptional clarity is achieved with features such as: HD Spatial, extended dynamic range, extended bandwidth, EchoShield, HD Music, eWindScreen™, speech and noise management and feedback cancellation.	•••••	••••	•••
Signal processing / Gain & MPO	Channels/handles in Connexx.	48/20	32/16	24/12
Hearing Programs	Number of programs configurable in Connexx	6	6	6
HD Spatial	HD Spatial enhances cues which contribute to the wearer's sense of direction and depth in all environments - from quiet to very noisy.  Requires Ultra HD e2e and TwinMic.	✓	✓	✓
Extended dynamic range	113 dB SPL input dynamic range for clear sound reproduction in noisy environments.	✓	✓	✓
Extended bandwith	12 kHz processing bandwidth.	✓	-	-
EchoShield	Dedicated program for reverberant environments.	✓	-	-
HD Music	Preset programs.	3	1	-
eWindScreen binaural	Binaural processing of the audio signal (using Ultra HD e2e) delivers superb performance in asymetrical wind environments.	✓	✓	
eWindScreen™	Supresses general wind-noise and improves wearing comfort.	✓	✓	✓
Noise Management				
> Speech and noise management	Adjustment steps.	7	5	3
> SoundSmoothing™	Adjustment steps.	3	3	1
> Directional speech enhancement	Adjustment steps.	3	1	-
Feedback cancellation	High-speed monitoring and control of feedback risk in individual processing channels.	✓	✓	✓
Speech Quality	Speech Quality delivers improved understanding of other people's voices in noise by using an exclusive technology called Ultra HD e2e. Features which utilize Ultra HD e2e include narrow directionality, Spatial SpeechFocus™ and TwinPhone.	••••	••••	•••
Directionality				
>Narrow directionality	Narrow Directionality uses binaural processing of the audio signal to deliver scientifically proven speech understanding benefits in noise 1. Coupled with HD Spatial, the wearer will experience improved signal to noise ratio and a transparent and natural sound experience. Available only for bilateral fittings with Ultra HD e2e.	<b>√</b>	✓	<b>√</b>
>Spatial SpeechFocus	Available for bilateral fittings with Ultra HD e2e. * in Stroll Program or with Spatial Configurator	✓	✓	-
>SpeechFocus	Available for RIC and BTE devices	✓	✓	-
>binaural OneMic directionality	Available for Silk and single microphone CIC/IIC devices	<b>√</b>	✓	✓
TwinPhone	Available for bilateral fittings with Ultra HD e2e.	✓	✓	✓
Wireless CROS/BiCROS	Requires CROS Pure or CROS Silk accessory.	✓	✓	✓
Frequency compression	Improves the detection of speech sounds for wearers with reduced high frequency hearing thresholds. Frequency compression is selectively activated based on audiological criteria.	✓	✓	✓

## Connectivity

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wom.	Performance Guide		<b>✓</b>	<b>√</b>	✓
Learning Number of learning situations. 6 3 1	Insitugram		✓	✓	✓
	Learning	Number of learning situations.	6	3	1

## Remote hearing care

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TeleCare 3.0	TeleCare provides a structured communication approach for Hearing Care Professionals and their clients, which is especially important during the initial stages of a fitting. In addition, TeleCare provides full live remote tuning to assist with rapid and effective troubleshooting.  Available for Bluetooth-equipped devices.	••••	••••	••••

•••• = highest feature performance