

A photograph of two medical professionals, a man and a woman, both wearing white lab coats. They are looking intently at a computer monitor on the left side of the frame. The man is pointing towards the screen. The background is a soft-focus clinical setting.

PHILIPS

Zoom Diffusion

MR Clinical application

Small FOV diffusion imaging for improved image quality

Zoom Diffusion allows you to acquire small FOV imaging, down to 200 x 50 mm, with reduced geometrical distortion¹ and higher spatial resolution.²

¹ Due to reduced EPI echo train length in DWI-EPI compared to conventional Philips full FOV DWI-EPI

² Due to smaller acquisition voxel size compared to Philips full FOV DWI-EPI, with same level of geometrical distortion

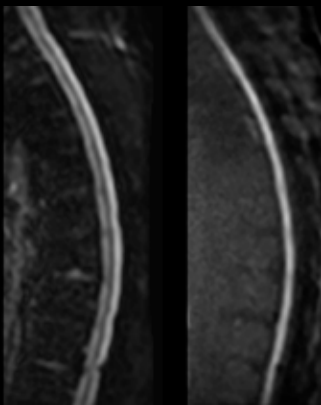
Zoom Diffusion

Field strength	1.5T, 3.0T.
Main applications	Brain, Spine, Prostate. Also available for other anatomies.
Sequence	SE-EPI.
FOV	Enables small FOV imaging, down to 200 x 50 mm.
Speed	Leverages the efficient dS SENSE parallel imaging technology to provide superior speed performance. ¹
Image quality	Optimal signal-to-noise due to dStream's digitization at the patient. Reduced geometrical distortion ² and higher spatial resolution. ³

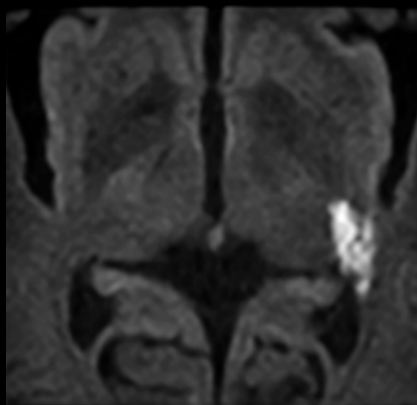
1 Compared to first generation SENSE.

2 Due to reduced EPI echo train length in DWI-EPI compared to conventional Philips full FOV DWI-EPI.

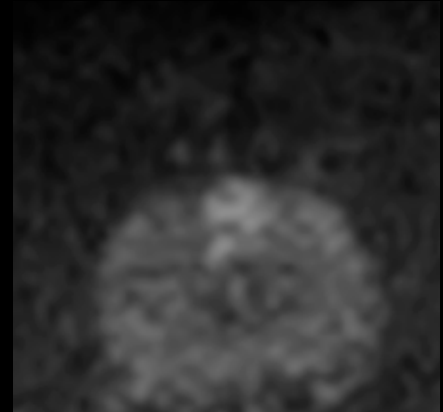
3 Due to smaller acquisition voxel size compared to Philips full FOV DWI-EPI, with same level of geometrical distortion.



Zoom Diffusion - Spine (b0 and b1000)
2.5 x 2.5 x 3.0 mm, 3:45 min
Ingenia 1.5T
Courtesy: Kantonsspital Winterthur, Switzerland



Zoom Diffusion - Brain (b600)
1.2 x 1.2 x 3.0 mm, 5:40 min
Ingenia 1.5T
Courtesy: Kantonsspital Winterthur, Switzerland



Zoom Diffusion - Prostate (b1000)
1.9 x 1.5 x 4.0 mm, 3:49 min
Ingenia 3.0T
Courtesy: Kumamoto Chuo Hospital, Japan