



PHILIPS

MultiBand
SENSE

MR Clinical application

High acceleration for your fMRI and DTI sequences

MultiBand SENSE allows you to use state-of-the-art acceleration factors in the brain by simultaneously exciting multiple slices. Due to a shorter minimum TR for fMRI, larger anatomical coverage or higher temporal resolution can be used. In your DWI/DTI sequences larger anatomical coverage or higher number of diffusion directions can be acquired.¹ With MultiBand SENSE you can perform fMRI and DTI exams with high speed and high resolution, simultaneously.²

¹ Due to a shorter minimum TR

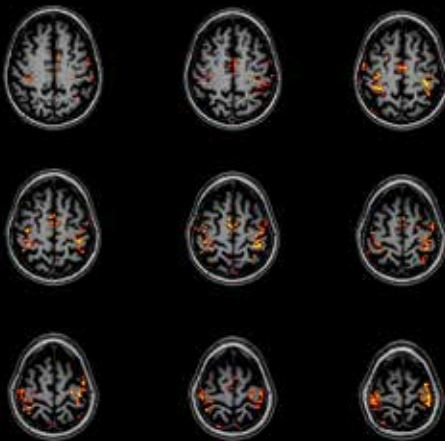
² High speed due to using MultiBand SENSE and high resolution due to using in-plane dS SENSE

MultiBand SENSE

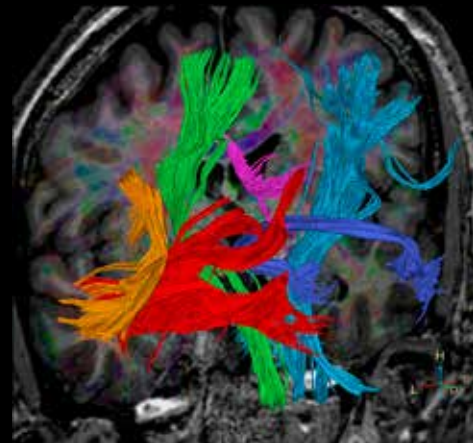
Field strength	3.0T.
Main applications	Brain.
Sequence	fMRI and DTI.
Speed	Acceleration factors of up to 8 for fMRI. Acceleration factors of up to 4 for diffusion MRI. Reduce scan time in your diffusion weighted protocols up to 73%. ¹
Image quality	Accelerate EPI scans in the brain with virtually no impact on SNR. ²

¹ Compared to normal Philips diffusion scanning

² Up to an MB SENSE factor of 3



MultiBand SENSE – fMRI
Acceleration factor 8
2.0 x 2.0 x 2.0 mm, 4:54 min
Ingenia 3.0T CX



MultiBand SENSE – DTI
Acceleration factor 4
1.7 x 1.7 x 1.7 mm, 3:25 min
Ingenia 3.0T CX