



# Advancing your neurofunctional exams

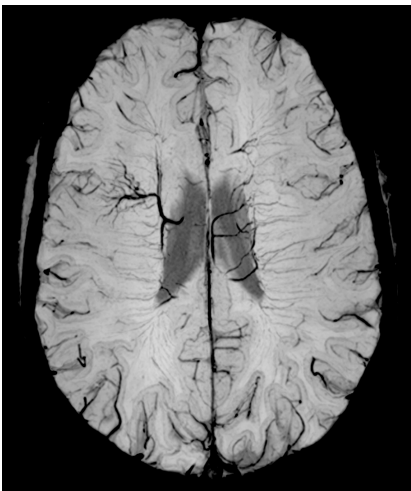
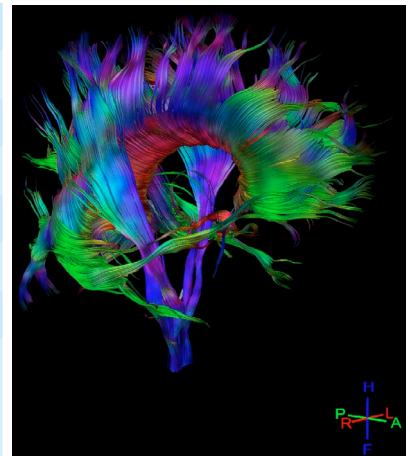
## Philips dS Head 32ch for 3.0T Systems with dStream

The dStream RF platform in your Philips MR system is a great foundation for highly advanced clinical applications. The digital dS Head 32ch coil leverages on dStream and pushes your 3.0T system to new frontiers in neurofunctional exams. It is designed for high resolution imaging of the cortex while maintaining excellent signal to noise in the center of the brain. The coil enables detailed volumetric morphological and high resolution functional assessment of the brain in, for instance, pre-surgical planning. The coil is especially designed to increase scan acceleration by making use of dS SENSE parallel imaging in all three measurement directions.

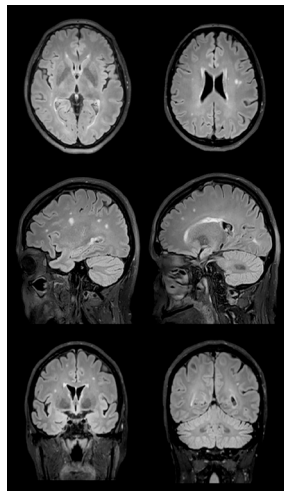
- Fully digital 32 element design for high signal to noise and increased scan acceleration
- Coverage from top of the head down to the brain stem and cerebellum
- Split-coil design for easy coil handling
- Outlet at the top of the coil to facilitate routing of EEG leads

**PHILIPS**

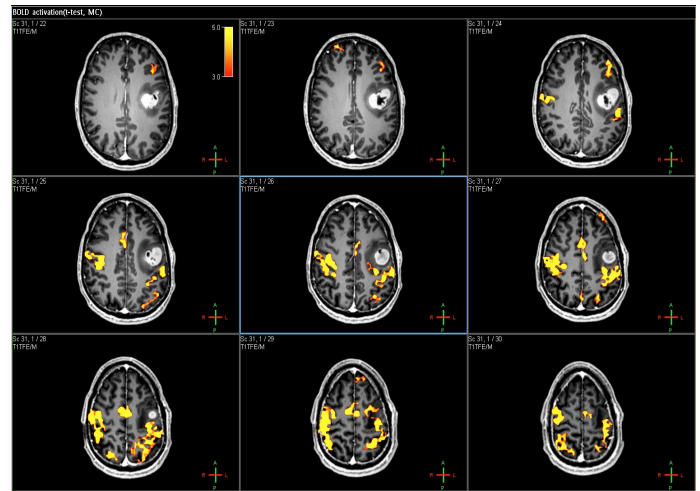
Coverage	Anterior cranium down to the zygomatic bone
Number of Elements	32
Main application	Neuro
Coil solution type	Dedicated
Data Sampling	DirectDigital
Coil connection	2x Flex Connect
SENSE parallel imaging	dS SENSE enhanced parallel imaging performance
Other features	A dedicated mirror assembly for forward and rear vision is included in the package. EEG procedures are supported by the provision of a dedicated pathway for the EEG leads.



High resolution 3D susceptibility weighted imaging with phase information (SWIp) 0.6 x 0.6 x 0.6 mm in 5:40 min



3D BrainView  
1 mm Isotropic FLAIR  
326 slices in 4:34 min



Finger tapping – digital architecture allows high sensitivity for fMRI studies

Please visit [www.philips.com/](http://www.philips.com/)



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[www.philips.com/healthcare](http://www.philips.com/healthcare)  
[healthcare@philips.com](mailto:healthcare@philips.com)

Printed in The Netherlands  
4522 962 97621 \* JAN 2014