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New Ophthalmic Ultrasound Probes from Quantel Medical

Quantel Medical has launched two new diagnostic ultrasound probes to their flagship ultrasound platform, Aviso™. The new probes offer improved diagnosis capability for posterior and anterior segment ophthalmic conditions.

The 50 MHz high-frequency ultrasound biomicroscope (UBM) probe now includes a state-of-the art magnetic transducer. The scanning motion in the ultrasound is controlled through magnetic fields instead of mechanical movements as in previous versions. This enables faster scanning, which has increased the image resolution by one-third. Additional benefits include a lighter-weight design and less vibration when performing an ultrasound.

The new 10 MHz B-scan probe offers similar benefits for posterior pole diagnosis. This B-scan probe provides superior image quality for viewing and assessment of the detailed structures in the vitreous and the orbital wall. Increased image acquisition rate allows for high-definition characterisation of ocular structures and their movements. The dynamic gain functionality of the 10 MHz allows users to adjust settings to find the optimal tissue differentiation in the image, allowing for more visual clarity and better understanding of the condition of the eye.

The Aviso ultrasound platform is configurable to include the new 50 MHz and 10 MHz probes, as well as biometry and Standardized echography modules.

Image: Quantel Medical

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