

# VuPad™

The difference between  
better and being the best.

Introducing VuPad™  
An innovation in ultrasound you can see and touch.



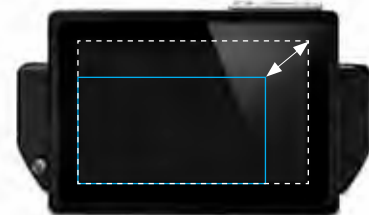
## The best of the best. Made better.

Sonomed Escalon has been the leader in ophthalmic ultrasound for over 30 years. Our systems set the standards by which all others are measured. The new VuPad™ is no exception. This revolutionary portable device delivers exceptional image quality in a wide range of applications. It's also remarkably easy to use, thanks to intuitively designed touch screen controls. With VuPad™, you can bring advanced ultrasound to more places – and more patients – than ever before.

### Industry-leading image quality.

The better the image, the more accurate the diagnosis. VuPad combines Sonomed Escalon's superior UBM and newly enhanced B-scan image quality with an ultra high-resolution screen that has 25% larger viewing area than other portable ultrasound devices. *Enhanced Focus Rendering™* allows you to capture both crisp still images and record video which can be clearly reviewed frame-by-frame.

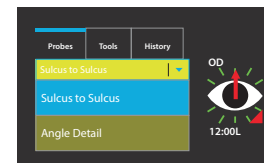
- Superior image quality with *Enhanced Focus Rendering™*
- Ultra high resolution display
- Specifically designed drop down and pop-up menus hide on-screen graphic selections providing a 25% larger on-screen image viewing area



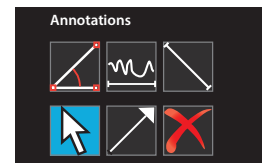
### An exceptional user experience.

Concentrate on your patients, not on the controls. With an intuitive graphic interface, VuPad makes ultrasound simple and straightforward. The multi-touch screen puts important functions easily at your fingertips. You can also take advantage of innovative, smartphone-inspired features like pinch zoom. VuPad also includes time saving pre-set scan settings to automatically optimize image quality depending upon area of viewing interest.

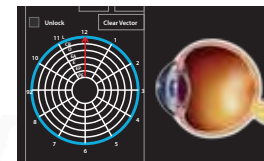
- Multi-touch touch screen for features like pinch zoom
- Measurement and annotation tools



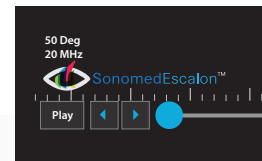
Pre-set scan modes are optimized for areas of interest.



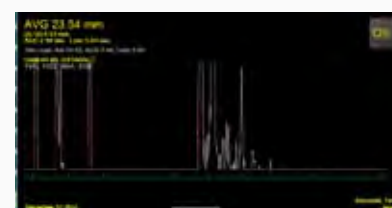
A full palette of measurement and annotation tools.



Easy graphical selection of scan orientation for all modes.



A frame-by-frame and slow motion review of video clips.



### Portable, flexible and adaptable.

In ophthalmic practices, there's no such thing as an "ordinary day". The compact, ergonomic VuPad is designed to adapt. You can use it on tabletops with its kick stand, or attach to carts or reticulating arms with the VESA mount. You choose the modalities you need and want – UBM, B-Scan, and/or A-Scan. You get the choice of 35 or 50 MHz Transducers (UBM), 12 or 20 MHz Probes (B-Scan) and Immersion or Soft-Touch Probes (for A-Scan). Dual-Band WIFI, Ethernet, USB, and Bluetooth allow you connect to other devices or your network. There's also plenty of room onboard to store images, with a hard drive that's 60% larger than other portable ultrasound devices.

- Configurable for UBM, B-Scan, and/or A-Scan modalities
- Choice of 35 or 50 MHz transducer (UBM), 12 or 20 MHz B-probes, and Immersion or Soft-Touch A-probes
- More on-board storage with 60% larger hard drive
- Dual-band WIFI and Bluetooth
- Easily interfaced with EHR and image management systems
- Compact ergonomic form factor, adjustable table top back stand or VESA mount to cart or reticulating arm



**Compare VuPad to other systems. Discover how incomparable it is.**

See how the most trusted leader in ultrasound will change your view of UBM, B-Scan, and A-Scan.  
 Discover VuPad from Sonomed Escalon. Visit [www.sonomedescalon.com](http://www.sonomedescalon.com) or contact us.

| <b>B-Scan</b>           |  |
|-------------------------|--|
| Ultrasound Probes       | <ul style="list-style-type: none"> <li>Sealed 12 MHz or 20 MHz B-probes with focused transducers</li> </ul>  |
| Scan Sampling           | <ul style="list-style-type: none"> <li>256 ray scan</li> </ul>   |
| Scan Controls           | <ul style="list-style-type: none"> <li>Fully adjustable time-varied gain (TVG), baseline, log gain, and exponential gain (e-gain)</li> </ul>   |
| Scan Position Indicator | <ul style="list-style-type: none"> <li>One-click selection of axial or longitudinal scan clock position with eye model confirmation</li> <li>Free-form text for scan position details that automatically annotate onto images and video clips</li> </ul>   |
| Video Clips             | <ul style="list-style-type: none"> <li>Capture and store 50-frame video clips at up to 20 frames per second (fps)</li> <li>Replay in real-time, scalable slow motion, or one frame at a time</li> <li>Store up to 6 video clips per eye per exam, easily add or remove video clips from exam record</li> </ul> |
| Images                  | <ul style="list-style-type: none"> <li>Separately save any number of individual frames from video clips as images, complete with annotation(s)</li> </ul>  |
| A-Scan Trace            | <ul style="list-style-type: none"> <li>Superimpose arbitrary A-scan trace onto images with a single button click</li> </ul>  |
| Measurement             | <ul style="list-style-type: none"> <li>Unlimited measurements using linear calipers and angle measurement tool</li> </ul>  |
| <b>UBM</b>              |  |
| Ultrasound Probe        | <ul style="list-style-type: none"> <li>HD water path probe with interchangeable focused transducers available in 35 or 50 MHz frequencies</li> </ul>   |
| Scan Settings           | <ul style="list-style-type: none"> <li>Selectable scan setting profiles to optimize image quality for both sulcus-to-sulcus or angle detail</li> </ul>   |
| Scan Sampling           | <ul style="list-style-type: none"> <li>256 ray scan</li> </ul>   |
| Scan Controls           | <ul style="list-style-type: none"> <li>Fully adjustable</li> </ul>   |
| Scan Position Indicator | <ul style="list-style-type: none"> <li>One-click selection of axial or longitudinal scan clock position with eye model confirmation</li> <li>Free-form text for scan position details that automatically annotate onto images and video clips</li> </ul>   |
| Video Clips             | <ul style="list-style-type: none"> <li>Capture and store 50-frame video clips at up to 20 frames per second (fps)</li> <li>Replay in real-time, scalable slow motion, or one frame at a time</li> <li>Store up to 6 video clips per eye per exam, easily add or remove video clips from exam record</li> </ul> |
| Images                  | <ul style="list-style-type: none"> <li>Separately save any number of individual frames from video clips as images, complete with annotation(s)</li> <li>Store an unlimited number of images for each eye per exam</li> </ul>   |
| A-Scan Trace            | <ul style="list-style-type: none"> <li>Superimpose arbitrary A-scan trace onto images with a single button click and measure with calipers</li> </ul>  |
| Measurement             | <ul style="list-style-type: none"> <li>Unlimited measurements using linear calipers and angle measurement tool</li> </ul>  |
| <b>A-Scan</b>           |  |
| Ultrasound Probes       | <ul style="list-style-type: none"> <li>Sealed A-probe with 10 MHz focused transducer</li> <li>Standard probe for immersion or soft-touch probe for direct contact with minimal corneal compression</li> </ul>  |
| Scan Modes              | <ul style="list-style-type: none"> <li>Direct contact or immersion</li> <li>Manual or Automatic Capture (Cataract, Dense Cataract, Aphakic, and Pseudophakic)</li> </ul>   |
| Measurements            | <ul style="list-style-type: none"> <li>Anterior chamber depth (ACD), lens thickness, vitreous, and axial length (AXL)</li> <li>Averages and standard deviation calculated for up to 10 scans per exam</li> <li>Configurable zone tissue velocities</li> </ul>  |
| IOL Formulas            | <ul style="list-style-type: none"> <li>Standard: Binkhorst, Regression-II, Theoretic/T, Holladay, Hoffer-Q, Haigis</li> <li>Post-Refractive: Latkany Myopic Regression, Latkany Kyperopic, Aramberri Double-K</li> </ul>   |
| Lens Selection          | <ul style="list-style-type: none"> <li>Lens calculations in 0.25D increments with built-in 1600+ lens database</li> </ul>  |
| <b>General</b>          |  |
| Image Rendering         | <ul style="list-style-type: none"> <li>Outstanding B-Scan and UBM image quality using proprietary Enhanced Focus Rendering™ (EFR™)</li> <li>Continuous interpolative zoom re-renders at each magnification level for optimized image quality (up to 4x zoom)</li> </ul>  |
| Annotation              | <ul style="list-style-type: none"> <li>Automatic annotation of images and video clips</li> </ul>   |
| Database                | <ul style="list-style-type: none"> <li>Full-scale patient database with exam record storage</li> <li>Create and save individual user profiles with user-selectable defaults</li> </ul>   |
| Reports                 | <ul style="list-style-type: none"> <li>Detailed customizable exam reports for printing or exporting</li> </ul>   |
| Hard Drive              | <ul style="list-style-type: none"> <li>128 GB SSD solid-state drive</li> </ul>   |
| Connectivity            | <ul style="list-style-type: none"> <li>802.11n dual-band Wi-Fi and Bluetooth 4.0</li> <li>GigE Ethernet LAN and USB 3.0 ports</li> <li>One touch export images (.jpg), video clips (.avi), and exam reports (.pdf) for referral, presentation, or EMR</li> </ul>   |
| Printer                 | <ul style="list-style-type: none"> <li>Any Windows-compatible printer</li> </ul>   |
| Operating ASystem       | <ul style="list-style-type: none"> <li>Microsoft Windows 8</li> </ul>  |
| Console                 | <ul style="list-style-type: none"> <li>Compact and streamline design with 10.1" high-resolution multi-touch monitor (1280 x 800 pixel)</li> <li>Adjustable angle kickstand and VESA bracket for articulating arm or wall mounting</li> </ul>   |
| Power                   | <ul style="list-style-type: none"> <li>100 - 240 VAC, 50/60 Hz auto-switching medical-grade power supply</li> </ul>  |



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