ADVANCED GPUs FUELS HIGH-PRECISION EYE MEASUREMENTS.

Individualized scanning measures the eye inside and out, eliminating traditional subjective methods of measuring refractive errors and improving treatment of myopia, hyperopia, mixed astigmatism, and monovision.

More advanced scanning capabilities empower clinicians to better tailor LASIK procedures for each patient. Instead of standard incremental measurements provided by an ophthalmic phoropter (a traditional device used by eye care professionals), a single three-second scan offers a much higher level of treatment customization for each patient.

This one-of-a-kind custom laser vision correction is powered by topography-integrated, wavefront-guided technology – advanced visual mapping that details the imperfections in a patient's vision. Dedicated Computing's real-time graphics processing solutions enable this advancement in a small footprint device, making strides in improving vision care for millions of people.

TECHNOLOGY USE CASE: A8103-02 / Data/Image Processing

- Dedicated Computing answered the customer need with a small form factor platform
- NVIDIA's Quadro P1000 in smallest chassis possible that can support a single wide graphics card
- Intel® 6th/7th Generation Core™ i3/i5/i7, Pentium™ and Celeron™ "Skylake"/"Kaby Lake" processors (FCLGA1151 Socket) for advanced processing capabilities
- 500GB SSD drive and 32GB DDR4 non-ECC memory supports long-term reliability
- PCIe x16 slot is included for add-in video card
- System I/O features 2x NIC ports and 4x USB ports (minimum); no serial ports are needed
- Windows 10 OS is included and available for next generation system upgrades