



Batra Vision Medical Group

Ophthalmology practice improves patient care with highly portable, efficient laptop solution.

Established in 2002, Batra Vision Medical Group is known for its innovative and advanced techniques in vision-correction procedures. The clinic augmented its existing desktop computers with the Toshiba Portégé Z30t laptop. With more secure and mobile access to patient data, doctors and care teams could work more efficiently for better patient interactions while meeting regulatory requirements.

Business situation

As one of the largest ophthalmology clinics in the East Bay region of California, Batra Vision Medical Group fosters patient education and engagement that advance vision correction procedures and help improve countless people's lives. This culture of care extends beyond the clinical practice to administrative and operational procedures.

To keep up with demand, Batra Vision Medical Group used a variety of devices and accessories. "We have about 30 desktops running on Windows 8," said Dr. Nicholas Batra, the chief surgeon and medical director of the group. "And I was using a MacBook and an iPad for portability." In addition to the desktops, Batra Vision Medical Group used peripheral accessories, such as signature pads, to increase the security of their data and educate their patients on procedures.

Batra Vision Medical Group wanted to improve staff mobility by providing them portable devices to make day-to-day tasks, including patient monitoring and preparation, more efficient. With staff frequently moving around visiting patients, they needed something lightweight and secure.

Solution

Batra Vision Medical Group utilised the Toshiba Portégé Z30t running Windows 10 Pro to enable the mobility and security the staff needed to efficiently and safely meet patient needs. The ultraportable solution allowed them to store, access, and update patients' vital signs and notes efficiently and more securely, while on-the-go.

In addition to administrative tasks, Batra Vision Medical Group used the Portégé Z30t with Windows 10 Pro as a communication and education tool for patients. "The more we used the (Portégé) Z30t, the more use-cases we discovered," says Dr. Batra. "There are great things that we'll be able to do in the future, relating to biometric security, patient consent, scheduling, and staff training.

Benefits

By introducing the Portégé Z30t laptop running Windows 10 Pro, Batra Vision Medical Group saw improvements in their internal workflow and the care they could provide their patients.

Increased security

Due to strict US regulatory requirements in the Health Insurance Portability and Accountability Act (HIPAA) regulations, it is essential that patient data be kept safe. Windows BitLocker Drive Encryption, only included in Windows 10 Pro and Enterprise, provides data protection by encrypting all data stored on the hard drive. BitLocker is designed to put everything on lockdown so no one else can access the data if the Portégé Z30t is lost or stolen.

As part of Windows 10, Windows Hello is a biometric login, the fastest, most secure way to unlock a Windows device and uses the Fingerprint reader on the Portégé Z30t. The rollout plan for Batra Vision, once the Electronic Health Record (EHR) solution supports diverse biometric readers, could be a combination of all the security capabilities Windows 10 Pro offers.

Improved workflow

As a frequent speaker and lecturer at national medical meetings, Dr. Batra often prepares videos for his PowerPoint presentations. The Portégé Z30t contains all the necessary ports and connections essential to making presentations anywhere, including a VGA connector, Ethernet, full-size HDMI® port, SD card reader, three USB 3.0 ports, and the Toshiba Hi-Speed Port Replicator for full docking convenience. "My biggest frustration when I was using an iPad was that there were no USB ports to import and export data," Dr. Batra said. "It's amazing to have all the business-oriented ports I need."

Better patient care

At Batra Vision Medical Group, it is a priority that patients make decisions regarding their treatment based on their own best interests. To assist patients in making an informed choice about the health of their eyes, staff and doctors educate them by using interactive videos and images. Before implementing the Portégé Z30t, each exam room had two separate devices: a desktop and a touchscreen monitor mounted on the wall. With its mobility, touchscreen capability and 12-hour battery life, the Portégé Z30t allowed the group to eliminate the extra hardware, making the experience more efficient and comfortable for their patients.

"Any time you reduce inefficiencies, the result is better patient care," Dr. Batra said. "We will upgrade manual and analog processes to digital patient management, so the entire care team can read up-to-date medical charts, educate patients, and keep patient information secure. That's our vision, and it's going to be a game-changer for the future of our clinic."

Toshiba Portégé Z30t

- VGA, DVI, HDMI, RGB, Ethernet LAN, USB Ports with sleep and charge and a bridge media adapter
- Ultraportable laptop packed with the latest technologies
- Toshiba's EasyGuard® Technology – built into all Tecra and Portégé business laptops – for added protection and convenience to help you go mobile with confidence
- Touch, swipe, pinch, and zoom with the 10-finger multi-touch display
- Fingerprint Reader and Trusted Platform Module v2.0 to secure data and thwart unauthorised access
- Premium magnesium alloy chassis, shock-absorbing design, and a unique honeycomb reinforcement structure for increased rigidity and durability



Windows 10 Pro

- Windows 10 Pro provides you the powerful essentials you need with comprehensive, built-in and ongoing protection
- Windows Hello, the password-free login that gives you the fastest, most secure way to unlock your Portégé Z30t using your fingerprint
- BitLocker: BitLocker, only included in Windows 10 Pro and Enterprise, encrypts your data on your device and even on your USB drive, so you're more protected
- Windows Update for Business Windows 10 Pro keeps itself up-to-date with market-tested security updates and new features to keep your system current for the supported lifetime of the device
- From traditional keyboard to voice, touch, and gesture: Windows gives you more interaction options to choose from so you can use what feels right and works best

Toshiba Europe GmbH. For more information about other Toshiba customer successes, please visit: www.toshiba.eu/b2b

Microsoft, Windows and Windows 10 Pro are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries. All trademarks are acknowledged. Microsoft supplied the devices that were part of the experience described in this case study.

Batra Vision Medical Group