

## How ScanFront 220e/220eP Works

### **What are the Canon ScanFront 220e and ScanFront 220eP network scanners?**

Canon has introduced two new products, the imageFORMULA ScanFront 220e and ScanFront 220eP network scanners. The ScanFront 220e/220eP compact network scanners, powered by eCopy ShareScan, deliver state-of-the-art image capture, and intuitive document sharing through seamless integration with existing networks, workflows, and applications.

These scanners are unlike any other scanners in the imageFORMULA family. They operate as “thin clients”, working in conjunction with eCopy software running on a central networked server. To fully understand the benefits that ScanFront 220e/220eP bring, it is important to understand what thin clients are, and the paradigm of “server-based computing”.

### **What is Server-Based Computing?**

Server-based computing is sometimes referred to as server-centric, centralized, or application-server computing. In server-based computing, all applications are deployed, supported, and executed (run) at the central server, not at the user desktop. All data is stored on the server. Only keystrokes, mouse clicks, and the screen images travel across the network. All applications are displayed on the desktop device. This desktop device can be a Mac, a PC, or a thin client.

### **What are thin clients?**

Thin clients are simple devices that are used for information display. Thin clients do not “run” applications, but can display any application containing graphics or text information.

### **What are the benefits of using thin clients?**

The use of thin clients brings many benefits, including easy administration, long useful life, low power consumption, high security, ease of use, and reduction in Total Cost of Ownership (TCO).

### **What is Total Cost of Ownership?**

Total Cost of Ownership, or TCO, is a concept used to better understand the cost drivers of deployment of a particular document scanning model. Sometimes only the up-front procurement costs are considered when comparing models. But TCO takes into account not only the procurement costs, but also the back-end and ongoing administrative, management and usage costs of document scanning models over their useful lifetimes. The choice of document scanning model can greatly impact many drivers of TCO.

### **Why can the ScanFront 220e/220eP be considered thin clients?**

In a more traditional distributed document scanning model, the document scanners are directly connected to the desktop PCs, and the PCs are usually dedicated to the scanning function. However, with ScanFront 220e/220eP, the dedicated PCs required for each scanner are eliminated. The ScanFront 220e/220eP are a unique combination of Canon ScanFront hardware, and eCopy ShareScan Essentials software. The ScanFront 220e/220eP have only Windows CE and a small local eCopy client program running on them. This local client interfaces with the eCopy software running on a networked server, to deliver the scanning power of ShareScan Essentials to the Canon customers, along with the benefits of thin clients.

### **Why would a company consider a thin client paradigm for their scanning needs?**

Companies periodically evaluate and re-evaluate their document scanning needs. Having the right system in place can be the difference between success and failure in the marketplace. But many times, companies are faced with what appear to be conflicting wants and needs for document scanning. When evaluating document scanning needs, end-users typically want things such as simplicity and ease-of-use, and higher performance. IT managers want flexibility, easy administration and management, longer useful life, “bulletproof” security, compatibility with future environments, and scalability. And “corporate” needs competitive advantage, increased productivity, better return on investment, and lower TCO. These sometimes conflicting “wants and needs” create a daunting challenge for IT managers. The thin client paradigm can satisfy many of these needs.

### **What benefits do ScanFront 220e/220eP bring over a more traditional scanning model?**

The use of ScanFront 220e/220eP brings many benefits. Many are derived from the thin client nature of the products, and the unique combination of Canon ScanFront hardware and eCopy ShareScan Essentials software, including:

- ✓ Easy deployment and administration – The ScanFront 220e/220eP scanners can directly connect to any Ethernet network. The eCopy ShareScan Essentials application resides on the networked server, which can be centrally managed. In addition, Administration Software is bundled with each ScanFront 220e/220eP device, permitting centralized management of multiple ScanFront 220e/220eP scanners, even from a remote location. ScanFront 220e/220eP scanners are highly scalable.
- ✓ Long useful life – Since ScanFront 220e/220eP do not “run” the ShareScan Essentials application, but merely display it, once updates have been applied to the central server, they are automatically reflected on each ScanFront 220e/220eP device. This can help extend the useful life of the scanners.
- ✓ Low power consumption – ScanFront 220e/220eP scanners use far less power than the more traditional distributed document scanning model of using a dedicated PC with an attached document scanner. Not only environmentally conscious, this can reduce power usage expenses.
- ✓ High security – Since some of the dedicated scanning PCs can be eliminated from the environment, some potential virus entry points are also eliminated. In

addition, the ScanFront 220e/220eP scanners use Windows CE, which is more virus resistant and secure than many other operating systems. ScanFront 220e/220eP scanners also support network login authentication. ScanFront 220e/220eP scanners have no hard disk storage, so no sensitive data resides on the scanners, and can also create audit trails. And ScanFront 220eP has a built-in fingerprint reader for device access control.

- ✓ Easy to use – For users familiar with eCopy ShareScan, the user interface on ScanFront 220e/220eP is comparable, which can help reduce or eliminate training requirements. ScanFront 220e/220eP also feature a large color LCD touch screen, which can simplify operation.
- ✓ Intuitive document sharing – Since ScanFront 220e/220eP are powered by eCopy ShareScan Essentials, they provide seamless integration with existing networks and applications, using “connectors” to document management, e-mail, and fax server applications.

### **What are “connectors”?**

To ease integration into existing networks, business workflows, and network applications and services, “connectors” which provide links between the ScanFront 220e/220eP scanners and various software applications. The connectors include standard bundled connectors that provide general sending functions, eCopy Quick Connect which automates business workflows with sophisticated sending functions, and optional add-on connectors which are sold separately for integration with applications such as Microsoft SharePoint and Captaris RightFax.

### **What software is bundled with ScanFront 220e/220eP?**

Software bundled with the ScanFront 220e/220eP scanners includes eCopy Desktop which enables users to create, edit, retrieve and distribute PDF files through document scanning without complex software applications, and eCopy ShareScan Administration Console for configuration, management, activation, and monitoring of multiple connectors and ScanFront 220e/220eP scanners.