

HTTP Camera Server



Spectral Instruments has developed a HTTP Camera Server as an advanced computer interface for its both new and legacy camera systems. The server connects to 800S, 850S, 1000S, 1100S, 1110S, 1600S, and 1700S cameras via the 120Mbit or 1.0Gbit MT-RJ fiber optic cable, and to a computer or network hardware (including a Wi-Fi router) over a 1G Ethernet connection via a standard RJ45 connector. With this approach, a camera may be operated using such diverse hardware as a cell phone, a tablet computer, a laptop, or a workstation.

By using the HTTP camera server, a camera may be operated using a web browser operating under a

variety of operating systems, including Windows, macOS, Linux, iOS, and Android. No camera operating system driver is required. A customer-authored sockets programming application may be developed with the aid of the supplied manual and programming examples, or Spectral's SI Image software can be used.

The camera server is equipped with sufficient memory to buffer multiple images of even up to 10,500 x 10,500 pixel size. This buffer frees the host device from having to capture the data as it is produced. Firmware is field-upgradeable.