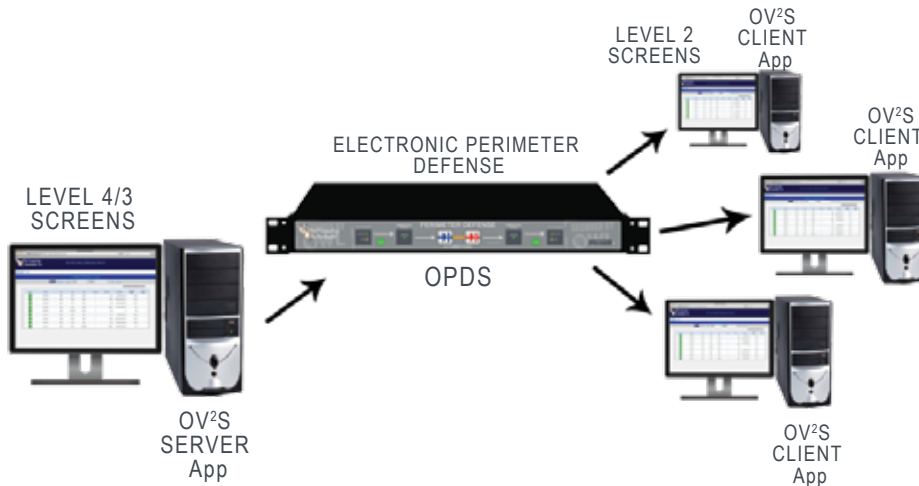




Owl Virtualscreen View Service OV²S

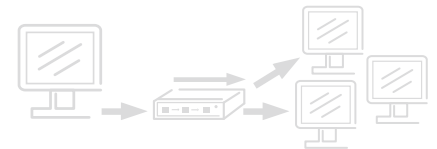
Owl Virtualscreen View Service is a software application for Owl Secure IT Electronic Perimeter Solutions that collects real-time screen images from monitoring computer platforms within segregated networks. OV²S delivers this information to client platform screens outside the electronic perimeter. Secure one-way transfer of screen content enables operators and admin/maintenance staff in business & engineering networks to monitor activity, to troubleshoot systems, and to recommend process changes.

OV²S Server is installed on the segregated network platforms to be monitored. The application gathers display changes, and sends them as a UDP datagram stream to the Owl Perimeter Defense Solution OPDS. OPDS applies the Owl proprietary protocol break to this data, and securely transfers it to a platform or platforms on which OV²S Client is installed. OV²S and OPDS can support multiple segregated network inputs, and can deliver screen updates to unicast, multicast and broadcast user destinations.



Owl Computing Business Differentiators

- Multiple data sources & types across a single, secure one-way system
- Compliance with NERC-CIP non-routable data requirements
- Common Criteria EAL-4 Certified DualDiode® Technology



Features / Benefits:

- OV²S Server transfers screen captures as UDP streams
Multiple OV²S clients can connect to the same Server
- Smart screen technology -- Server sends partial screen data as it changes, with full periodic screen updates
- Clients can connect and disconnect at any time without restarting Server
- Client can connect to multiple Servers with simultaneous display of multiplescreens
- Client display may be cropped and scaled to accommodate screen size
- Low CPU usage permits multiple applications support



SECURE. RELIABLE. FAST.

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Fax: 203-894-1297



DualDiode® Technology

(for information on integrated DualDiode Technology in a 1U enclosure, see OPDS-104 datasheet)
In standalone server applications, a pair of Owl Communication Cards (Send-only and Receive-only), with Owl internally developed drivers, forms a Dual in-line Diode; each card is manufactured to permit one-way-only data transfer. Security for the one-way transfer is enforced at both the send and receive nodes in this exclusive Owl design - neither diode requires a trusted state with the other. Application-specific software (for historian databases, core monitoring, remote screen view, files, TCP packets, etc.) completes the individual Owl product offering.

Owl One-Way DualDiode Technology design securely protects the send- and receive-network domains. No information of any kind, including handshake protocols (TCP/IP, SCSI, USB, serial/parallel ports, etc.), pass from the destination computer/network back to the source computer/network. Owl's one-way transfer is a dedicated point-to-point link and requires no additional machine configuration (such as IP). This "trust-nothing" design ensures that data residing on each isolated network is fully protected.

There are over 1000 deployments Secured by Owl throughout the Department of Defense and the US Intelligence community, and the industrial control system industry.

About Owl Computing Technologies: a U.S.-owned & operated Small Business Owl Computing Technologies, Inc., based in Ridgefield, Connecticut, is a privately funded US company.

Owl has an exclusive licensing agreement with Sandia National Laboratories, with worldwide rights to develop and market products originally based on Sandia's patented data diode technology. Sandia National Laboratories is a U.S. National Laboratory operated by Sandia Corporation, for the U.S. Department of Energy.

Owl Computing develops and markets Secure Information Transfer Systems for files and directories, UDP- and TCP-based traffic, for multiple streaming video sessions, and other formats — please call for more information.

Visit us at www.owlcti.com/energy

SPECIFICATIONS:

Owl Perimeter Defense Solution --

Two embedded Owl-designed communication cards – one Send-Only, one Receive-Only in industrial PC104 form factor, each integrated with independent servers within OPDS chassis -- fiber optic link speed 26-155Mbps..

Support for Control Systems Interfaces & Applications

General Electric iFix
General Electric iHistorian
General Electric OSM
InStep eDNA
Matrikon Alert Manager
OSIsoft PI System
Scientech R*Time
Siemens SIMATIC WinCC
Siemens SINAUT
TCP; UDP

SCADA Connectors

DNP3
ICCP
Modbus
OPC

Monitoring

CA SIM
CA Unicenter
HP OpenView
Log Transfer
Remote Screen View
SNMP
Syslog

File transfer options

CIFS (Remote folders)
FTP
FTPS (SSL)
RCP
SFTP (SSH)
TFTP
Owl RFTS