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Research

DVN

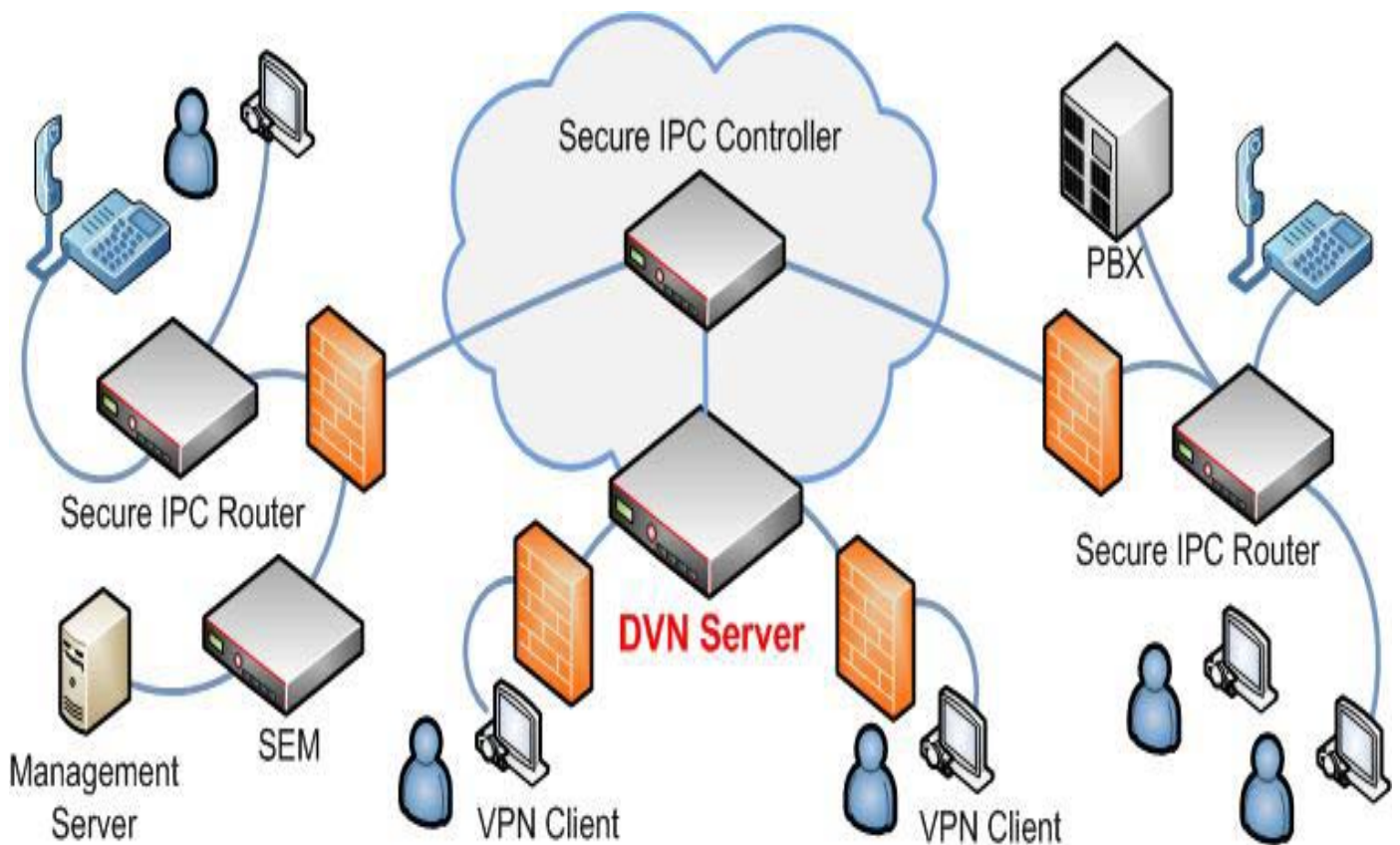
Dedicated Versatile Network

The Direct Packet Research **Secure** Dedicated Versatile Network System is a turn-key solution which allows industry standard VPN technologies access to the Secure IPC Community. The solution consists of the **Secure** Dedicated Versatile Network (DVN) Server, Secure Endpoint Manager (SEM), **Secure** IPC Controller and an IPC Router. The Dedicated Versatile Network System provides the basis of a **secure**, robust and easily managed remote IP video and/or audio (VoIP) communications environment with a multitude of functionality.

- Single stream TCP port
 - Default port 443, An alternate port may be selected
- Industry Standard VPN Connections
- Security
 - AES 256 bit Encryption
 - MPPE
 - Encapsulated TLS/SSLv3 TCP only traffic
 - Block and restrict IP Address
 - Integrated Firewall functionality
 - Preserve confidentiality
 - Signaling and transmission validation
 - User and device authentication
 - Facilitate IP communications without bridging networks
- Protocols
 - HTTP
 - HTTPS
 - FTP
 - TFTP
 - SSH
 - PPTP
 - TELNET
 - SNMP
 - RADIUS
 - LDAP
 - XMPP
 - PLCM-GAB
- Application examples
 - Remote Education – Teacher/Student
 - Remote Telehealth – Doctors/Nurses
 - Remote Executives
 - Remote Workforce
- Web GUI
 - Intuitive Interface
 - SSL - HTTPS
 - SSL certificate management
 - IP Access control
 - ACL – manage user permissions per device

The **Secure** Dedicated Versatile Network (DVN) Server is a hardened internet facing device with its own integrated firewall technology designed to defend itself in hostile environments. Its primary functions are to perform signaling and media validation and to provide the **secure** transmission of IP video, audio (SIP/H.323), and provisioning packets without modifying or impeding the integrity of such packets. The **Secure** Dedicated Versatile Network (DVN) Server is positioned in the Internet Cloud and listens for **secure** connection requests from Industry Standard VPN clients. The communication between the IPC Controller and the Dedicated Versatile Network (DVN) Server is established via one single TCP (only)* TLS/SSLv3 AES 256 bit encrypted stream. The communication between the Dedicated Versatile Network (DVN) Server and a VPN client is established via industry standard VPN protocols. Once the link between Dedicated Versatile Network (DVN) Server and a VPN client has been established the solution then directs all video, audio, and provisioning packet transmissions to The **Secure** IPC Controller which then disseminates those packets to their corresponding destination within the **Secure** IPC Community. The benefits of the **Secure** Dedicated Versatile Network System include:

- Industry standard VPN connections
- Additional security for transport
- Additional security for signaling, media, and provisioning streams
- Expand the reach of network communication
- Non-bridged resolution of remote isolated and disparate networks
- Firewall and NAT traversal.



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Dedicated Versatile Network (DVN) Server
Connect up to 10 VPN Client Connections

DVN
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Dedicated Versatile Network (DVN) Server
Connect up to 25 VPN Client Connections

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Dedicated Versatile Network (DVN) Server
Connect up to 50 VPN Client Connections

DVN
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Dedicated Versatile Network (DVN) Server
Connect up to 100 VPN Client Connections



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