

# VidOvation IPTV

Video Networking System

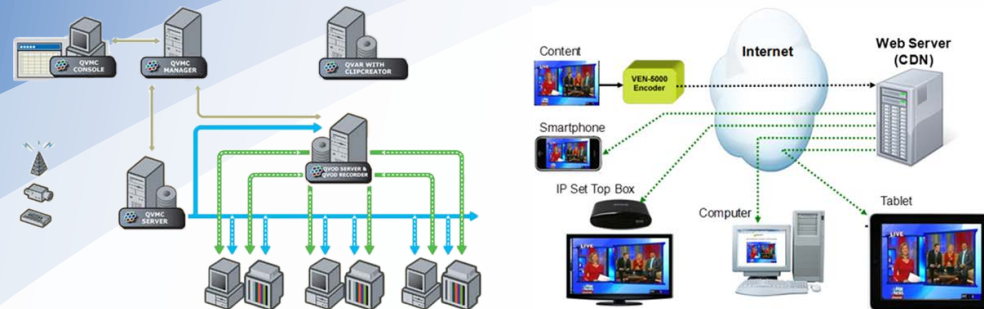


**VIDOVATION**

Moving Video Forward

Live & Recorded Video  
on existing IP Networks

- Desktop's
- Phone's
- Tablet's
- TV's
- Display's



## VidOvation IPTV:

VidOvation IPTV is a turnkey flexible and scalable IPTV solution that empowers organizations to incorporate TV programs, live internal video broadcast and video-on-demand to increase the efficiency of communications.

VidOvation TV delivers digital television programming to employee's PC's, TV's, Smartphones and Tablets, allows scheduled recording via program guide on PC's, and provides such recorded content for on-demand time-shift viewing.

VidOvation TV allows businesses or facilities to have their own internal TV channels to communicate, train and guide employees, including timely instructions during critical emergency situations.

We ensure powerful and easy-to-use functions, high-quality video, reliable and well managed operations, and unparalleled scalability and extensibility.

## Applications:

- Business communications
- Campus and dorms
- Distance learning
- Healthcare Education
- Community & Residential TV
- Digital library
- Government & Military Operations
- Digital signage

## Highlights:

- MPEG-1, 2, 4 H.264, High Definition (HD)
- Over existing IP networks
- Full feature Multicast & Video-On-Demand
- Industry standard network & protocols: RTSP, RTP & UDP
- Electronic Program Guide (EPG)
- Network PVR (nPVR) and Time Shift TV (TSTV)
- Friendly and customizable CSS user interface
- Integrated Security and Conditional Access Controls
- Broadcast Scheduling for live and recorded video files
- Integrated archiving/publishing of recorded media assets
- Centralized (local & remote) management
- Open Architecture, Scalability, & Flexibility
- TV Internet



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## Solution Structure - Head End

### **VidOvation TV servers:**

VidOvationTV application middleware with access control  
Video-on-demand server  
Multicast server with scheduling  
Content management and digital rights protection (DRM Server)  
Billing interface module  
Remote System management

### **IPTV servers: (Optional)**

Digital turnarounds and/or video encoders  
VidOvationTV IPTV application middleware  
NPVR (Network PVR) and/or Time-Shifted TV (TSTV) servers

### **Client**

Client PC and IP Set-Top-Box (STB) with TV-integrated infrared remote control  
Apple and Android Smartdevice support  
Remote client access from outside the network

### **Network**

IP over Cat-5/6, fiber optics  
xDSL over phone lines  
IP over coax  
802.11n

## Advantages

### **Quality and Familiar Interface**

Interactive Program Guide  
Personalized Recording Capabilities  
Ability to Pause and Rewind Live TV  
CSS GUI Custom Design

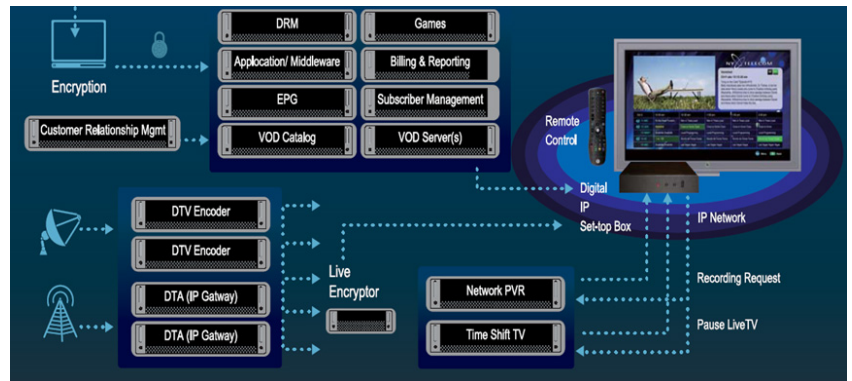
### **Modular flexibility**

Selective User Upgrades Without Changing STB  
nPVR for User Initiated Recording  
TSTV for Administrator Initiated Channel Recording  
Ability to Scale System Up or Down

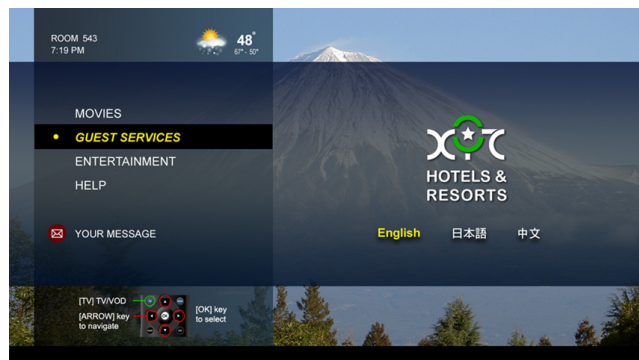
### **Cost effective**

No need for coax  
No need for expensive and complicated STB hard drives  
Energy Efficient  
Environmentally Friendly

### How it Works



### Example User Interface



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