

**V@LET 290™**

**IPTV Set Top Box**



V@LET 290™ IP Set Top Boxes enable Video Services delivery to homes connected through IP networks. Video Services are revenue rich and provide an important option for the telecom carrier to increase its revenue per user. This makes all the more sense in geographies where traditional analog video delivery model is being considered inadequate due to lack of security, billing or number of channels.

V@LET 290™ would be the delivery portal through which various futuristic services would be delivered to homes. Over and above video streaming and video on demand, these services would include Voice over IP, Video Conferencing, gaming, secure e-commerce transaction etc.

**Features**

- **Video**
  - MPEG-2 (MP@ML)
  - Windows Media VC1 Main and Advanced Profile
- **Audio**
  - MPEG-1 Layer I/II, MPEG-2 Layer II
  - MP3, AAC + SBR (AAC HE)
  - Dolby Digital+ (optional)
- **Middleware**
  - Publishing Server on Windows Media Server 2000
  - Integration with other Middleware available on request
- **Security**
  - DRM Support for VeriMatrix, Widevine, Latens, Viaaccess Windows Media DRM (optional)
- **Trick Modes**
  - Smooth trick mode for MPEG-2 SD/WM9
  - Future improvements potential
- **Software Upgrade Options**
  - Time shift and PVR (optional)
  - Still image decoder
- **Operational Features**
  - Remote firmware upgrade to add features.



## Specifications

### Software Specifications

- **Operating System** RT Linux
- **Network Protocols** TCP/IP, DHCP, HTTP
- **Streaming Protocols** RTP, RTSP, RTCP, MPEG-2 WM9/VC-1 over TS
- **Browser** Embedded Web Browser for TV
- **Streams** Unicasting, Multicasting
- **Graphic Capabilities** Alpha blending, Anti Aliasing, Anti-flickering, Graphic over Video
- **Administration** STB software management, customization with middleware included
- **VoD Trick Mode** Pause, FF, Rewind

### Hardware Specifications

- **CPU** Pixelworks/Equator BSP-15
- **Memory** 128MB SDRAM, 64MB Flash
- **Video Out** NTSC or PAL, TV: S-Video & composite
- **Audio Out** RCA
- **Connectors** 1 10/100-Base-T, 1 Composite Video Out  
1 S Video Out, 1 AC Adapter Jack
- **Electrical Power Supply** 100-250 VAC, 50-60 Hz
- **Front Panel LED** IR System, LAN, Disk Activity
- **IR interface** Supported
- **Command Device** IR Remote Control, IR Keyboard(in Future)
- **Language Supported** English
- **Dimension** 272(W) x 245(L) x (H) mm
- **Net Weight** 1 Kg
- **Environment** Operating Temperature : 0°C – 50°C  
Relative Humidity: 10% – 90% Non Condensing
- **Power** 10 Watt (Max)



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