

## Vision 480 Datasheet



Welcome to the large scale Tripleplay! As a large incumbent or a growing New-Generation Telco, you have gone beyond providing legacy Telco services. You are about to add advanced TV and VOD to your revenue streams and must now select a video server platform, capable of meeting your subscribers' demands for a satisfying interactive television experience.

BitBand Vision 480 is one of the larger models in BitBand line of second generation appliance video servers. It offers vast content storage and high streaming capabilities. With a wide variety of applications, such as VOD, AOD, NVOD, Multicast, Live channels recording & broadcasting and content encryption, BitBand Vision 480 is the 'workhorse' of BitBand installed base. Vision 480 is a compact 2U appliance, user friendly and field proven. Content can be any mixture ranging from low bit rate audio, through DVD quality video to top quality HDTV. Other Video services will be hard competing with 'Telco-TV' services powered by the BitBand Vision 480, which will take you into **VOD and beyond!**

### Simplicity

---

BitBand appliance implementation provides the simplest possible installation and completely frees the service provider from server system administration and maintenance tasks.

### Scalability

---

BitBand unique cluster architecture provides simple scaling in content storage and streaming capabilities, by simply adding Vision 480 servers to existing clusters, with no service disruption. A typical 10 racks system serves more than 300,000 Telco subscribers, offering thousands of titles.

### Manageability

---

BitBand Vision servers are managed by **Maestro™**. In addition, they can be managed by external tools, using SNMP.

### Fault resilience

---

BitBand cluster architecture implements a full fault resilient redundancy scheme, whereby every server in a cluster can take over active streams from any other providing 100% fault resilience.

### Content Security

---

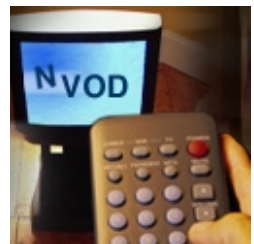
BitBand Vision servers seamlessly integrate with BitBand **SecureStream™**, to support content pre-encryption and to protect VOD streams by encrypting them 'on-the-fly', as they being streamed.

### Complete solution

---

Working only with industry standards, provides compatibility and fast integration time with other components on your network.

**Integrated with world leading manufacturers of STBs and iTV applications, BitBand Vision 480 is a part of a complete, quick-to-market, simple VOD solution.**



<b>Applications</b>	<ul style="list-style-type: none"> <li>▪ Video and Audio on demand - up to 1500 streams</li> <li>▪ VOD streams up to 24 Mbps each, CBR or VBR</li> <li>▪ NVOD Multicast - up to 32 streams</li> <li>Recording and broadcasting of live incoming channels for VOD and recast</li> <li>▪ SecureStream             <ul style="list-style-type: none"> <li>▪ Support for SecurePE – pre-encrypted files</li> <li>▪ SecureVOD – VOD session based stream encryption</li> </ul> </li> </ul>
<b>Dimensions</b>	<ul style="list-style-type: none"> <li>▪ 2RU 19" rack mountable</li> <li>▪ Height: 3.5"</li> <li>▪ Depth: 22"</li> <li>▪ Width: 19"</li> <li>▪ Weight: 15Kg</li> </ul>
<b>Media formats</b>	<ul style="list-style-type: none"> <li>▪ MPEG-1, MPEG-2, MPEG-4, MP3</li> <li>▪ MS Media and Real</li> </ul>
<b>Streaming Control</b>	<ul style="list-style-type: none"> <li>▪ RTSP, HTTP</li> </ul>
<b>Transmission Modes</b>	<ul style="list-style-type: none"> <li>▪ Unicast: TCP (Pull), RTP/TCP (Pull), UDP (Push), RTP/UDP (Push)</li> <li>▪ Multicast: UDP</li> </ul>
<b>Interfaces</b>	<ul style="list-style-type: none"> <li>▪ Dual Gigabit Ethernet (fiber or copper)</li> <li>▪ Fast Ethernet 100BaseT</li> <li>▪ RS232</li> </ul>
<b>Performance</b>	<ul style="list-style-type: none"> <li>▪ 500 Mbps guaranteed output per server</li> <li>▪ 135 x 3.7 Mbps MPEG-2 streams per server as basic configuration</li> </ul>
<b>Redundancy</b>	<ul style="list-style-type: none"> <li>▪ Complete any-component redundancy through cluster architecture</li> <li>▪ Optional dual redundant power supply</li> </ul>
<b>Content storage</b>	<ul style="list-style-type: none"> <li>▪ From 320 to 1000 GB per server</li> <li>▪ Up to 450 hours of content at 3.7 Mbps</li> </ul>
<b>Typical rack configuration</b>	<ul style="list-style-type: none"> <li>▪ With 20 servers per standard 19" rack             <ul style="list-style-type: none"> <li>▪ More than 9 Gbps aggregate output</li> <li>▪ More than 19 TB of storage</li> </ul> </li> </ul>
<b>Management and Administration</b>	<ul style="list-style-type: none"> <li>▪ BitBand Maestro</li> <li>▪ HTML server administration</li> <li>▪ SNMP MIB II</li> </ul>
<b>Regulatory</b>	<ul style="list-style-type: none"> <li>▪ UL, FCC</li> <li>▪ CE</li> <li>▪ VCCI</li> </ul>