

## Vision 190 II Datasheet



Whether you are planning a small lab trial, rigging a hotel in-room TV system, or thinking IP-TV for a small regional Telco, selecting a video server for your project has never been easier.

BitBand **Vision 190-II™**, a second-generation appliance video server, follows the footsteps of the field proven Vision 190, offering more options of content storage and streaming capabilities. With a wide variety of applications such as VOD, AOD, NVOD, Multicast, Live channels recording and re-broadcasting, BitBand Vision 190-II brings new dimensions and opportunities to the IP-TV world. BitBand Vision 190-II is a super-compact 1U appliance, user-friendly and reliable.

Content can be any mixture ranging from low bit rate audio, through standard DVD quality video, to top quality HDTV.

Implementing BitBand unique building block "pay as you grow" architecture, Vision 190-II fits your various and changing scales of deployment in a cost effective way and takes you into **VOD and Beyond!**

### Simplicity

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

### Scalability

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BitBand unique cluster architecture provides simple scaling in content storage and streaming capabilities, by simply adding Vision 190-II servers to existing clusters, with no service disruption. A single, small Vision 190-II can serve a 100-room hotel, while a large Vision 190-II serves 550 rooms. A typical rack of Vision 190-II serves more than 20,000 residential subscribers.

### Manageability

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

### Fault resilience

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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

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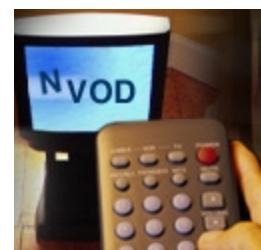
BitBand Vision servers seamlessly integrate with BitBand **SecureStream™**, to support content pre-encryption and to protect VOD streams by encrypting them 'on-the-fly', as they are being steamed.

### Complete solution

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Implementation of industry standards provides for compatibility with installed solution components and for fast integration with new components.

**Integrated with world leading manufacturers of STBs and iTV applications, BitBand Vision 190-II completes an off-the-shelf, simple-to-deploy and cost-effective VOD solution.**





## VOD and BEYOND

<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>▪ 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 SecurePR – 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>▪ 1RU 19" rack mountable</li> <li>▪ Height: 1.75"</li> <li>▪ Depth: 18"</li> <li>▪ Width: 19"</li> <li>▪ Weight: 10Kg</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 fast Ethernet 100BaseT</li> <li>▪ Gigabit Ethernet (fiber or copper)</li> <li>▪ RS232</li> </ul>
<b>Performance</b>	<ul style="list-style-type: none"> <li>▪ 250 Mbps guaranteed output per server</li> <li>▪ 65 x 3.7 Mbps MPEG-2 streams per server as basic configuration</li> </ul>
<b>Content storage</b>	<ul style="list-style-type: none"> <li>▪ From 80 to 500 GB per server</li> <li>▪ Up to 220 hours of content at 3.7 Mbps</li> </ul>
<b>Typical rack configuration</b>	<ul style="list-style-type: none"> <li>▪ With 40 servers per standard 19" rack             <ul style="list-style-type: none"> <li>▪ More than 7 Gbps aggregate output</li> <li>▪ More than 17 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>