

VIADEMAND

Carrier-Grade On-Demand Video Platform

ViaDemand is a video-on-demand (VOD) streaming over IP solution for telcos, broadcasters, and content owners. VOD services can include delivery of premium entertainment content to the masses as well as catering to special interest and ethnic audiences.

Carrier-grade, ViaDemand enables operators to scale up their service infrastructure to match growth. A decentralized architecture allows ViaDemand Streamers to be located close to end-users in order to optimize network utilization. ViaDemand Balancer automatically redistributes content across the network to best meet demand and also provides a host of redundancy feature for high availability. With its circular buffer and advanced recording features, ViaDemand supports advanced IPTV services such as catch-up TV, nPVR, and pause TV.

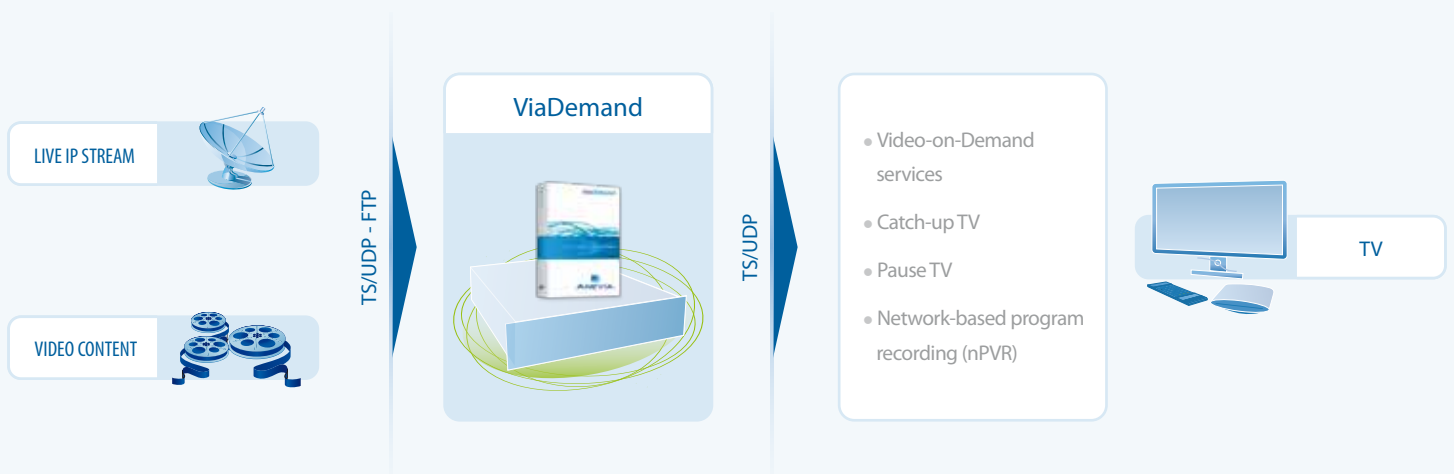


On-Demand streaming over managed IP networks

Features and Benefits

- Carrier-grade reliability and redundancy
- Catch-up TV, nPVR, and pause TV
- Support for third-party transcoders, encoders, and DRMs
- Storage and geographical load balancing
- Content delivery network management
- Distribution of content depending on popularity

FUNCTIONAL ARCHITECTURE



ViaDemand Generic Features

- Delivery as bootable USB or VM
- Web interface (HTTP & HTTPS)
- SSH for managing
- SNMP monitoring & alerts

ViaDemand Streamer

DELIVER STORED CONTENT

- Live capture and broadcast
- Scheduled broadcast of stored video
- Playlist support
- Circular buffer
- Trick Mode: All speeds up to x128 through Anevia trick index technology
- Access Modes: FTP, MPEG-2 TS and RTP recording, Multicast upload
- Supported Storage Modes: DAS, SAN (iSCSI), NAS (NFS)

STREAMING

- Codecs: MPEG-1 video, MPEG-1 Layer 3 audio, MPEG-2 (TS), H.264 (TS)
- Streaming Control Protocols: RTSP, RTCP
- Streaming Data Protocols: UDP, RTP/UDP
- Streaming Modes: Unicast, Multicast

ViaManager Planner

CONTENT DISTRIBUTION AND STATISTICS

- Dynamic content deployment by fixed and dynamic movies ranking
- Program the record of channels depending on the date for pause TV

ViaDemand Balancer

BALANCE CONTENT ACROSS STREAMERS LOAD BALANCING

- Intelligent load balancing
- Based on content diversity
- Based on geographical zone
- Based on server load

HIGH AVAILABILITY

- Optimised redundancy mechanism: geographical, load and content availability criterias
- Less than 1 second fail-over time

EASY INTEGRATION

- SOAP API
- Web Services

ViaManager Monitor

MANAGE AND MONITOR VIADEMAND PRODUCTS

- Based on Skyline Dataminer
- Product health monitoring
- Graphs of on all major values
- Error correlation
- Traps
- Computation of KPIs & SLAs

