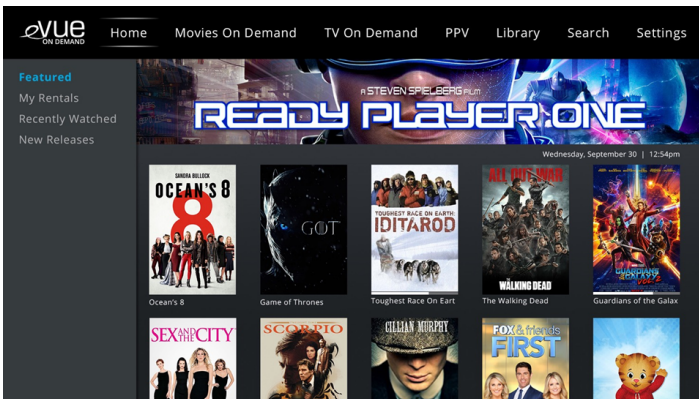




NCTC VU-IT! IP VOD SOLUTION

Powered by Evolution Digital's eMERGE™

NCTC and Evolution Digital have partnered to provide MSOs launching the VU-IT! solution with an IP stream delivered Video On Demand solution. The solution enables operators to provide the same VOD content to your VU-IT! platform subscribers, via adaptive bit rate IP streams, that's available to your traditional legacy set tops delivered via QAM.



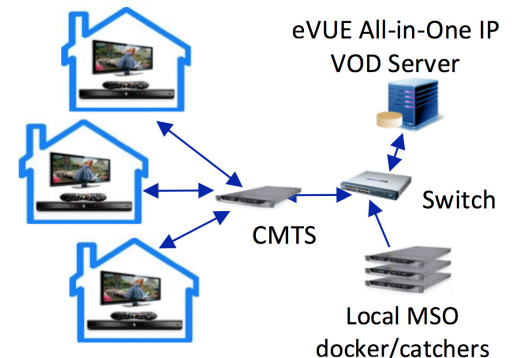
FEATURES

- Supports all content that is sourced via local catchers - transactional VOD, subscription VOD, free VOD and local content.
- The Mosaic layout provides a much more user friendly search and navigation experience compared to traditional VOD menus.
- IP Adaptive bit rate delivered streams. Does not require dedicated narrowcast QAMs for stream deliver.

SOLUTION INCLUDES

The VU-IT! IP VOD solution includes the following:

- Storage and streaming server hardware providing 66TB of content storage (around 10K hours of HD content)
- 2000 concurrent streams capability
- Content DRM and Management
- Provisioning/billing through the existing VU-IT! service integration with your billing system.
- Support and monitoring of the solution.
- Local transcoding/packaging to convert studio delivered CBR MPEG 2/4 content to adaptive bit rate for IP delivery to the VU-IT! enabled set-top box.



MSO REQUIREMENTS

To launch the IP VOD VU-IT! service, you as an operator must have the following today:

- The VU-IT! solution launched today on TiVo or ARRIS CPE. Note: ARRIS MOXI deployment has not been scoped so time to market is TBD.
- VOD dockers / catchers for content acquisition. The VU-IT! IP VOD solution can utilize existing VOD content dockers / catchers you may have.
- eVUE's VOD appliance installed in your headend. See appliance specifics below.
- Content rights agreements in place for the content you desire to provide to your subscribers.
- Headend rack space and power for the eVUE hardware.

PRICING

- Easy and low cost solution to deploy IP streamed VOD to your VU-IT! households.
- Packaged solution. All the hardware required to stand up and launch the IP streamed VOD service on your existing VU-IT! set tops.
- **One Time cost - \$36,000** for headend installed server hardware - 66TB of storage, transcoding, packaging and a streaming all-in-one device. For additional configurations contact NCTC to discuss. 66TB is sized for 10,000 hours of HD content.
- **Reoccurring costs - \$1 per calendar month** per VU-IT! deployed household or \$650 per calendar month - whichever is greater.



STANDARD CONFIGURATION SPECIFICATIONS

VOD SERVER

Physical Hardware

Power	920w	Redundant Power supply
100-240 V, 50-60 Hz, 11-4.5 Amp		
Width	17.2"	
Length	25.6"	
Height	3.5"	
Onboard Ports	3	2x Supports 10Base-T, 100BASE-TX, and 1000BASE-T, RJ45 output 1x Realtek RTL8201F PHY (dedicated IPMI)
Expansion Ports	4	RJ45 1000 PCie

Price	\$36,000
Storage	66TB
HD Hours	10K hours at 6 ABR profiles 30,000 hours at 4ABR profiles
SD Hours	(lowest bit rates one listed)
CPU	2x, Intel Xeon E52650 v3 2.3GHz 25MB Cache 10 Cores
Memory	8x, 16GB DDR4 ECC REG RAM
Transcoding Capability	Up to 100 transcoded hours per day
Concurrency Capability (a)	2000 concurrent streams