The leading vendor of HD streaming over the Internet IPTV solution provider
Who We Are

The global IPTV market is expected to reach nearly $80 billion by 2020 with an 18.1% annual growth rate. Broadband networks are also expanding at an unprecedented rate. To immediately capitalize on this tremendous opportunity and generate lasting revenue, service providers must choose the right IPTV solution partner.

MatrixStream Technologies is the leading end-to-end IP streaming solution. Fueled by the MatrixCast proprietary and patented OTT IPTV streaming technology, our system performs incredibly over unmanaged broadband, 4G/LTE wireless networks and even the public Internet, slashing bandwidth usage and overall head-end costs. Matrixstream is an eco-friendly company with a vision to create and deploy elegant yet robust IPTV platforms enabling telecoms and other service providers worldwide to rapidly launch world-class live and on demand IPTV through a single vendor.

MatrixStream was founded in 2004 in Silicon Valley by tech industry veterans and soon thereafter released the first DVD-quality IPTV streaming platform. We remain a cutting-edge IPTV software pioneer focused on developing and marketing turnkey applications that empower IPTV operators to cost-effectively deploy DVD, HD, and Ultra HD 4K video services over any “best efforts” broadband IP network.

The MatrixCloud IPTV solution is a powerful and fully N+1 scalable IPTV solution that’s easy to deploy with minimal upfront cost, revolutionizing time to market and enabling investment in strategic marketing and premier content rather than massive buildouts. Grounded in Matrixstream’s core intellectual property (US Patent number US8484308 B2), we help you remove the limits to...
where and how an IPTV operator or content provider can generate video revenue. HD set top boxes, PCs and Macs, iOS and Android devices are all within your reach.

Many leading telecoms and ISPs already resell business services and connectivity to other operators. Take B2B efforts to the next level by reselling the Matrixstream system including STBs and end-user apps which can be quickly and completely customized to a service provider's branding and integrated with existing BSS and OSS platforms.

MatrixStream content acquisition services can help providers overcome one of the major hurdles to launching a profitable pay TV service -- acquiring premium TV and VOD content for their markets. We negotiate agreements with world-class networks and facilitate all technical approvals. Our IPTV solution meets the incredible end-to-end standards of leading channels and movie studios and includes MatrixCrypt DRM, conditional access, automatic and eyes-on monitoring, tremendous set-top box security and much more.

MatrixStream serves customers in many countries across multiple continents and partners with international IPTV technology distributors to deploy live and on demand IPTV services over any broadband network including the Internet, wireless, and wired IP networks. We deliver complete solutions to emerging and established operators and we've accomplished deep-dive integrations with sophisticated and far-reaching billing and operations technologies. One vendor. Rapid launch. Minimal Headaches. Cost-Effective. It's that simple.
Who We Are

Operators benefit greatly from deploying our revolutionary technology which includes the following leading-edge products and services.

MatrixCloud IPTV Solution

MatrixCloud is a complete solution that covers all of the services offered by MatrixStream’s OTT IPTV solution. It only takes a few weeks for MatrixStream to assist any service provider to organize a telco-grade solution for IPTV, which is fully functional. MatrixCloud IPTV solution has been created to provide VOD videos along with unlimited live TV channels to an user. The streams of MatrixCloud IPTV solution can be accessed on several devices such as PC players, HD set top boxes, MAC players, Apple iPads, Apple iPhones, Android tablets, and Android smartphones.

MatrixCloud IPTV solution allows providers be IPTV service reseller to other customers in their local markets. The service allows providers to customize the service tailored towards their local customers’ unique requirements. This offering boasts several benefits and some of them are listed below:

- Instant IPTV services: Cloud customers can avail IPTV services within a few days.
- Custom logo: Each cloud customer receives the freedom to have his own marketing language and company logo, giving end users the impression of a comprehensive IPTV service offering full features.
- Custom Services: Each customer can pick and choose services and features needed and pay accordingly. Each customer can upgrade the service anytime.
- Support and Maintenance Fees Included: Software maintenance and support fees are already included in the monthly per user charge. Hence, upfront investment is unbelievably low, and each customer knows exactly what the total cost is per month.

MatrixCast Streaming Technology

The MatrixCloud IPTV runs on an engine known as the MatrixCast Streaming Technology. This patented technology allows viewers to enjoy the experience of watching HD videos at very low bit rate and the required bandwidth can be as little as 1.0 Mbps of bandwidth. The entire networking infrastructure can benefit from this, since the service providers can save loads of bandwidth. MatrixCast streaming technology is designed for the ultimate user experience while using minimal bandwidth.
MatrixCast Streaming Technology

Incredibly high quality video viewing experience and unbelievably low bitrates rarely go hand-in-hand. However, at MatrixStream we're passionate about innovation and that drive has enabled us to deliver a solution that considers and addresses all cost factors including bandwidth consumption. So long dropped video frames and poor performance caused by network overload and integrating a variety of vendors.

Content Acquisition and Strategy Services

But what about the content? Licensing high-quality programming is a major stumbling block to many companies desiring to launch or expand IPTV services. Operators are most familiar with and understand the purchase process for acquiring technologies to power premier offerings such as wireless service, broadband access, IP phone and other products. But content acquisition and strategy is often an entirely new world with different rules and requirements, much of which are completely foreign to IPTV service providers.

But what if you could acquire a premium channel lineup and other entertainment almost anywhere in the world? Matrixstream is fully capable of meeting your unique content needs on any device across the globe and we offer this optional service to all of our system clients. Live TV? VOD? DVR? Set-top boxes? Mobiles and tablets? All done. And with the insight and experience to help you achieve your commercial goals.

We'll overview in clear terms the content acquisition process, advise you on national and regional competitors and help you win with a lineup tailored to the audience you want to reach. The content business is a relationship business and we have the partnerships to help you quickly acquire incredible programming and succeed long-term. We can meet your IPTV programming needs as part of our complete, end-to-end solution.

MatrixCloud IPTV SaaS (Software as a Service)

MatrixStream IPTV SaaS cloud solution is designed for providers who want to launch IPTV services rapidly while minimizing upfront costs. Benefits include:

- Low upfront investment – Matrixstream customers save millions of dollars on initial hardware and software fees.
- Pay as you grow – Fees are assessed based on number of registered users utilizing various services and SaaS customers are not required to purchase licenses in bulk or to commit to monthly user minimums.
- Feature Activation on the Fly – Operators can select which features and devices to license based on commercial needs and opportunities and are only charged according to the number of customers utilizing specific capabilities monthly.
No annual software support fees – Yearly software maintenance and support fees are included in monthly per-user charges.

**MatrixCast Ultra HD 4K Streaming Technology**

Imagine your subscribers experiencing 4K/Ultra HD movies and TV series over just a 5-6mbps connection. MatrixCast Ultra HD puts next generation 4K programming within reach via private networks or the open Internet with or without QoS and relatively insignificant capacity.

**MatrixCast 3D Streaming Technology**

Matrixstream delivers stunning live and on demand 3D content over practically any broadband network. Coupled with MatrixStream’s digital surround sound technology, viewers escape into the ultimate viewing experience on their 3D-enabled devices.

**MatrixCrypt Proprietary DRM**

MatrixCrypt offers sophisticated end-to-end content security and service protection including the following. These safeguards are required by the world’s best TV networks and movie studios and ensure that only authorized users are enjoying your valuable offerings.

- **Content Protection**: Content is never stored on a user device and is delivered over highly-secure AES session.
- **User and Device Authentication**: Approvals occur repeatedly over highly-encrypted AES-session completely independent of end-users and privileges can be revoked or renewed at any time. MatrixCrypt DRM also includes a wide variety of additional automated and manual security processes compliant with premier programming providers.
- **Server-Side Middleware and Firmware**: MatrixCrypt includes end-to-end protection including complex middleware command and control as well as locked down firmware.
- **State-of-the-art Set-Top Boxes**: Matrixstream set-top boxes complete the security picture with no local storage, encrypted RAM, inaccessible firmware, fully-protected outputs and much more.
- **Viewer Audits**: Comprehensive viewer audit reports are generated by the Matrixstream system and delivered to IPTV operators.
MatrixStream Geoblocking IPTV Technology

Operators deliver video packages based on individual geographies with automatic and remote manual monitoring of traffic spikes and unusual activity. Combined with other MatrixCrypt protections, Matrixstream geoblocking enables pay TV providers to deliver live TV and video on demand content exclusively to authorized users in approved locations on verified devices. Geoblocking also enables programming blackouts to comply with rights agreements, especially live sports and events.

MatrixStream Network DVR

MatrixStream DVR technology gives viewers the ability to watch their favorite TV series and other live programming which they've recorded and stored in the cloud. Authorized content is available at any time based on the business rules of the operator and individual subscriber permissions. The nDVR EPG is easy to navigate and viewing is as simple as pressing play.

MatrixStream IPTV Backend Management

The MatrixManage server is the virtual command center for our IPTV solution allowing operators to monitor all IPTV network activity including the health of each live TV stream as well as the performance of every server in the MatrixCloud ecosystem.

MatrixStream IPTV Web Portal & E-commerce Solution

Once Matrixstream’s solution is installed, we team with pay TV providers to execute the following mission-critical tasks.

- Billing integration: No need to redo or replace existing billing systems. We’ve completed many sophisticated BSS and OSS integrations and can rapidly collaborate with operators’ engineers to facilitate customized solutions.

- IPTV web portal: Matrixstream can quickly deploy a fully-branded and incredibly function web portal including a variety of payment possibilities such as rentals, virtual movie purchases and even prepaid cards.
MatrixStream E-Commerce Solution

MatrixStream’s complete IPTV solution allows pay TV providers to almost instantly create IPTV services. Our e-commerce add-on works in concert with an operator-designed or Matrix-stream-created web portal to allow users to register new accounts, purchase TV channel packages and more. Subscribes can also view and modify account profiles and upgrade TV packages from any web browser. This system saves service providers countless design and integration headaches and dramatically reduces time to market.

MediaMatrix API Application Development

MediaMatrix APIs allow operators to customize web portals and apps based on media and metadata calls to servers based in standard formats such as JSON.

Customizable MatrixEverywhere clients are as follows:

- Mac and PC player GUls
- IOS and Android app GUls
- MatrixStream set top box GUI
- Smart TV client GUI

Some examples of the add-on applications that can be developed using MediaMatrix are listed below:

- Social media app
- Gaming application
- Hospitality application
- E-commerce application
- Distance learning application
- Weather application

MatrixStream IPTV Everywhere Players

MatrixEverywhere native apps and video clients allow viewers to enjoy streaming content anywhere, at any time and on a wide variety of devices. Mac and PC players can be made available through simple download links on an operator website. MatrixEverywhere iOS player can be made available via Apple app store. MatrixEverywhere Android player can be made available via Google play store.
MatrixStream IPTV Everywhere Players

Professional Services

MatrixStream’s professional services can incorporate MatrixCloud IPTV solution into any networking system. Our team assists providers in the following ways:

- System installation and on-site training
- Remote system and activity reporting training
- Development of customized applications using MediaMatrix API
- Optimizing set-top box GUI appearance and functionality
- IPTV product strategy consultation
- Premium technical support including rapid hardware issue assessment and response

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