

Engage. Empower. Evolve.

IPTV, Video Streaming & Digital Signage Solutions



Main Product Lines
Peter Hoffmann

Encoder

Portable Encoder Appliances

HEVC & H.264



MGW Diamond

Multi-Channel HEVC & H.264 Portable Encoder

- Low latency 4K/HD/SD streaming from 4x SDI/Composite sources simultaneously
- Up to 8x streams output
- Next-generation HEVC (H.265) compression support to reduce bandwidth utilization by up to 50% to H.264



MGW Ace Encoder

Compact HEVC / H.264 Hardware Encoder

- Supports both HEVC and H.264 – Ultra Low Latency mode
- 1080p60 4:2:2 10-bit HEVC encoding
- HDR support, CC, x16 audio channels and DVB-ASI output
- Portable, low-power hardware design
- KLV / STANAG metadata processing

H.264



MGW Premium

Low-Latency H.264 Multi-channel Streaming

- Up to 2xHD or 4xSD H.264 high-quality streams
- HD/SD-SDI, DVI, HDMI, S-Video & Composite in
- TurboVideo™ low latency encoding technology



MGW Nano

Low-Latency H.264 HD/SD Streaming

- Compact, fanless, 65 milliseconds encoding
- HD/SD-SDI and HDMI inputs
- Forward Error Correction (FEC) and Zixi™ support



MGW Pico

Low-Latency pocket size H.264 Encoder



VNP400

H.264 Bi-Directional Encoder/Decoder

- Versatile encoder, single or dual encoder/decoder
- H.264, MPEG-2, JPEG2000 support up to 422 10-bit
- 3G/HD/SD-SDI, HDMI, DVI, Composite, DVB-ASI, 1RU ½ width

Encoder

Portable Encoder Appliances

HEVC & H.264



MGW Diamond TOUGH

Rugged Multichannel HD/SD HEVC & H.264 Encoder

- Supports both HEVC and H.264
- Up to 8 encoding channels from 4 inputs (SDI/Composite)
- KLV / STANAG metadata processing for ISR



MGW Pico+ TOUGH

Rugged HD/SD HEVC & H.264 Encoder

- Ultra-small HD/SD encoder – under 6W power
- Low latency HD/SD Streaming
- KLV / STANAG metadata processing for ISR

H.264



MGW Pico TOUGH

Rugged HD/SD H.264 Encoder

- Ultra-small HD/SD encoder – under 4W power
- Low latency HD/SD Streaming
- KLV / STANAG metadata processing for ISR



MGW Nano TOUGH

Small, power-efficient H.264 HD/SD ISR Encoder

- MIL-STD461F/810G/STD704 and IP65 certified
- KLV / STANAG metadata processing for ISR
- Forward Error Correction (FEC) and Zixi™ support

Encoder / Decoder

Ultra Low Latency Solution

HEVC & H.264



MGW Ace Encoder / Decoder

Compact HEVC / H.265 hardware encoder

- 1080p60 4:2:2 10-bit HEVC encoding
- UDP TS Protocol
- Zixi and SRT support for latency ~ 150ms over The Internet
- Portable, low-power hardware design
- Decoder available in openGear card

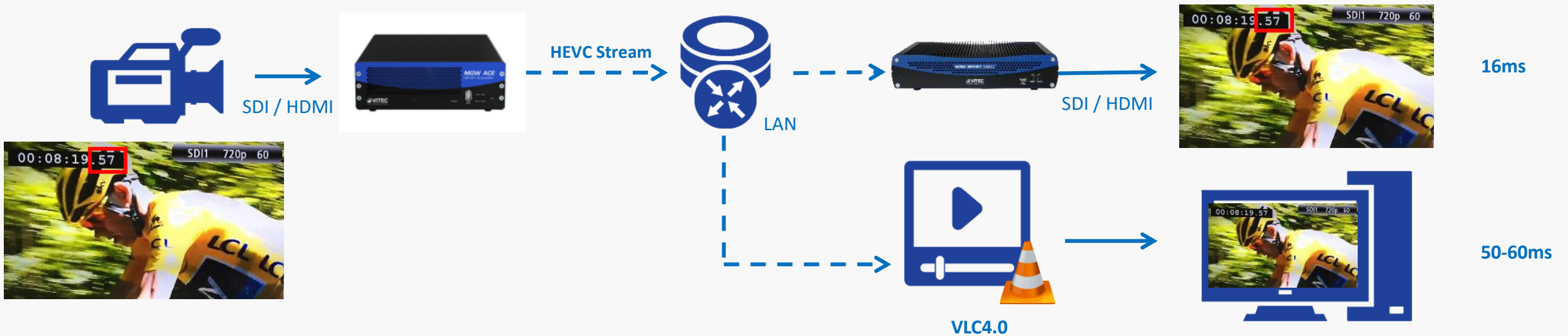
H.264



MGW Sprint Encoder / Decoder

Ultra Low Latency H.264 HD Encoder/Decoder

- 1080p60 4:2:2 H.264 encoding
- RTP ES Protocol
- Portable, low-power hardware design



Encoder / Decoder

openGear & Avedia Blade Solutions

HEVC & H.264



MGW Diamond OG Encoder

HEVC / H.264 Encoder

- openGear 4K/HD/SD multi-channel encoder board
- Low latency 4K/HD/SD streaming from 4x SDI/Composite sources simultaneously
- Up to 8x streams output



MGW Diamond-HX OG Encoder

HEVC / H.264 Encoder

- openGear 4K/HD/SD multi-channel encoder board
- Low latency 4K/HD/SD streaming from 2x HDMI/DVI sources simultaneously
- Up to 4x streams output



MGW OG ACE Decoder

HEVC / H.264 Decoder

- openGear 4K/HD/SD decoder board
- Ultra low latency streaming
- KLV / STANAG metadata processing for ISR

H.264



Avedia avstr-e3750, e3830 Encoder Blade

H.264 Encoder

- Avedia HD/SD encoder blade
- up to 2x SDI/HDMI sources simultaneously
- Supports NDI encoding
- Compatible with c1101, c1103, c1120 chassis

Encoder

Rackmount Encoder Solutions

HEVC & H.264



MGES 7000 *Encoder Blades*

- Eight HEVC & H.264 4k/HD/SD hardware encoders
- Best in class video quality (150Kbps to 30 Mbps)
- Low latency firmware & Secondary stream capabilities



MGW 5100/1100/1000 *4K/HD/SD Streaming Platforms*

- Up to 104-channels (MGW 5100), 48-channels (MGW 1100) and up to 8-channels (MGW 1000)
- Multiple Formats: HD/SD, H.264, MPEG-2
- HD/SD-SDI , Analog and HDMI Inputs

Transcoder & More

IP Transcoder, DVB Gateways & More

HEVC / H.264



MGW Prism & MGW Prism SFF

IP Transcoder for Multi-Screen Video Delivery

- 4K/HD/SD IP Transcoder for Multi-Screen Video Delivery
- OTT & IPTV formats: HLS, HDS, UDP, MPEG-DASH, RTP
- Built-in Adaptive bit rate combiner - up to 16 audio tracks



MGW DVB

IP Stream Content Delivery

- Supports: DVB-S/S2, DVB-T/T2, DVB-C, ATSC
- up to 8 x tuners and up to 128 TV channels per 1RU chassis
- De-scramble encrypted content using standard CAM



AvediaStream t5320 & t5620

IP Transcoder for Multi-Screen Video Delivery

- 4k/HD/SD IP Transcoder for Multi-Screen Video Delivery
- AVoIP & NDI support
- Live & file-to-file transcoding



AvediaStream g4410, g4440, g4448 Gateway Blade

IP Stream Content Delivery

- Supports: DVB-S/S2, DVB-T/T2, DVB-C, ATSC
- up to 2 x tuners per blade
- De-scramble encrypted content using standard CAM
- Compatible with c1101, c1103, c1120 chassis



OCASTER

OTT Service, Mobile Streaming

- Apply AES encryption to securely distribute IPTV content
- Protect and secure private/classified video streams
- Bridge LAN sites over non-multicast WAN connections
- Distribute multicast streams to multiple unicast recipients
- Disseminate Full Motion Video with metadata to remote users



MGW Mosaic

IPTV Mosaic Generator

- Retains all original audio tracks of input streams and multiplexes them as audio tracks on the output stream Input any combination of existing MPEG-2/4 H.264 SD & HD streams as source videos
- Easy to use, configure and flexible output layout

Encoder & Decoder Application

Multi-Site Distribution Platform

Transport & Zixi

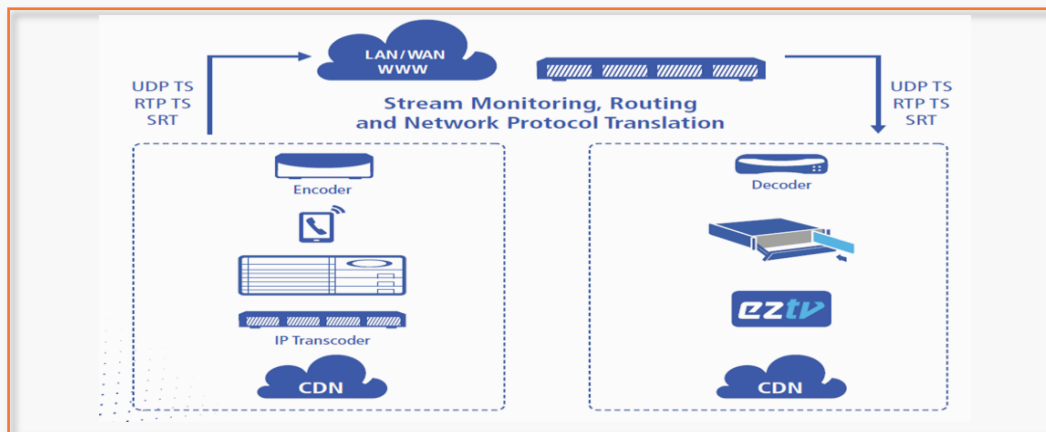


VITEC Playout Server

Centralized contribution server for simplified stream management

- Automatically capture and preview unlimited Zixi Protected streams
- Distribute received streams as MPEG Transport Streams over UDP (UDP TS)
- Support H.264 and low-bandwidth HEVC streams
- Easy setup, easy to use and scalable
- Multi-site content distribution
- Digital News Gathering from the Internet and field broadcast IP streaming
- House of Worship or Sports venue in-house distribution
- Full Motion Video stream management and distribution

Transport & SRT



MGW ChannelLink

Centralized distribution gateway for simplified stream management

- Manages, routes and distribute IP streams from Sources to Destinations
- Network Protocol Translation
- UDP TS <-> SRT
- Optimized routing latency
- Agnostic to codecs (HEVC, H.264, MPEG-2...) and video resolutions
- AES encryption support
- Available On Premise or VM
- 400Mb/s in and out traffic

IPTV & Digital Signage Hospitality Solution

Avedia Interactive IPTV Portal



ArtioView Middleware

Fully customizable interface for the delivery of a seamless and interactive guest experience

- Create uniquely branded, tailored portals, with drag-and-drop ease
- Drive additional revenue with Room Service, Excursions and Spa treatments bookings and more
- Manage all end-points from a single location and personalize each room's interface
- Make each individual guest feel extra special
- Personalize interface per room or groups of room
- Multi-language support
- Let guests stream content from their mobile devices with Chromecast support, access live TV on mobile devices and attach gaming devices to the TV (BYOD/BYOC support)
- Provide access to extensive selection of international TV channels

IPTV & Digital Signage Hospitality Solution

Avedia IPTV Products and Extensions



ArtioSign Digital Signage & IPTV in One
Fully customizable interface for the delivery of a seamless and interactive guest experience

- Create uniquely branded, tailored signage, with drag-and-drop ease
- Promote your services, drive additional revenue and enhance brand image
- Update signage instantly, using a PC, laptop, tablet or remote control
- Display meeting room status, provide wayfinding information, override signage screens in case of an emergency



AvediaStream Media Player
Product Line-Up

- Simply connects any screen to an existing IP network to receive live or recorded streams
- All kind of variations are available
- POE support
- Up to 4K resolution



AvediaServer
Centralized Management Hub

- Management of IP video system
- Provides video on demand content
- Control of Exterity devices

IPTV & Digital Signage Platform

EZ TV Enterprise Grade IPTV and Digital Signage Platform



EZ TV

Any video, any format, any time, anywhere

- On premise system for mapping content to users, applying security and business rules for access rights
- EZ TV is an agnostic IPTV solution used to organize channel lineup over local and global networks
- Centralized interface for activating & managing users, remotely control and schedule actions on EPs
- Provides user-friendly yet powerful user interface for watching live streams and recorded videos
- Multi-screen support with native multicast and unicast: TVs, PCs, Mobile
- Support all major compression and streaming standards: H.264, HEVC, HLS/HDS ABR – SD to 4K
- Comprehensive API for integrating with 3rd party system

IPTV & Digital Signage Platforms

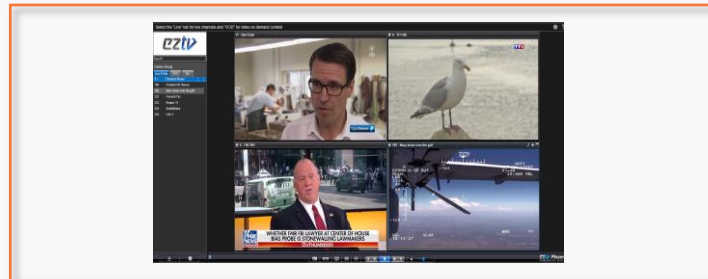
EZ TV IPTV Products and Extensions



Multi Screen Streaming Server

Extend the Reach of IPTV Content to Mobile Devices

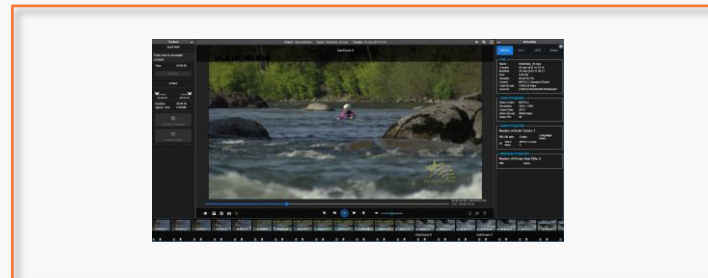
- Enterprise IPTV directly to employee mobile devices
- Stream News and Business TV content to remote users
- Stream Situational Awareness Video to the Field
- Corporate communications to any type of screen – TV, PC and Mobile
- In-Venue live streaming for Sports and Entertainment



VOD Server

Storage of IPTV content

- Securely store and protect video-on-demand content
- Supports centralized and personal network recording
- Administrator-triggered cyclic recording, time-shifted TV and scheduled recording
- Streaming capacity of 400Mbps per server
- Storage designed as a ring buffer with FIFO (First In - First Out) function
- Combined with media library



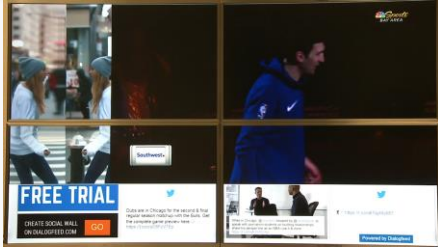
Media Library

TAG - EDIT - MANAGE - SHARE

- Platform for media content- browser based user interface
- Built in Smart Media Player for tagging, editing and extracting images and scenes
- Versatile, format agnostic ingest and import with automated preview generation
- Part of the VOD server

IPTV & Digital Signage Platform

EZ TV End-Points and Media Players



Video Wall Processor

Professional-grade video wall, 100% hardware processing

- Drive up to 32 displays from a single unit
- Blends computer sources, dynamic data and IPTV content into a single canvas
- Low latency playback of IP streams
- Single interface for managing content and scheduling events and campaigns



Mobile Player App

Mobile App for iOS & Android (with SDK)

- View both live streams & Video-on-Demand
- Supports both unicast and multi-cast streams
- Active Directory user management
- Low latency multi-cast playback
- AES Decryption to protect content



Endpoint = EP Set-Top Boxes

Personal TV Experience (IPTV) or Digital Signage

- Hardware Based – no moving parts
- Personal TV Experience (IPTV) or Digital Signage
- Floating Signage License - One time license model
- Cost Effective Solution
- Reliability – low failure rate

Worldwide Support

The VITEC Support Team is Standing by to Answer Your Technical or Operational Questions with Speed and Efficiency



Whether you're a customer, a dealer, an OEM partner or a system integrator, specific support services include:

- 24 x 7 phone and on-line contacts
- Bronze, silver, gold, platinum standard or custom service packages
- Fast repair cycles
- Enterprise-grade design services
- Installation, training, and data management services



Thank You

- Peter Hoffmann