GUSTAV MEDIA
BUILD TO RUN IN YOUR NETWORK INFRASTRUCTURE
GUSTAV MEDIA
EDGE DEVICE / SKU: RB-MEDIA

Features
- NVIDIA® Jetson AGX Xavier™ SOM
- ARM64 CPU & NVIDIA Volta 512 & 64 Tensor (Cores)
- 32 (AGX) gigabytes of RAM
- 2 x USB 3.x connectors
- Lemo 12-24 volts input
- HDMI 2.0
- 2 x RJ-45 Ethernet (both gigabit)
- 250 GB SSD (M2) included
- Half rack of a 19’ unit
- Active cooling
- W: 42mm H:43.5mm D:220mm
- Lifetime January 2025

Optional
- 500 GB – 2 TB SSD (internal)
- Internal Mobile Network Modem
- 100% Driver jetpack support (without patch)
EXAMPLE - VIDEO ANALYTICS

Typical application: 30+ TOPS
JETSON AGX XAVIER
World’s first AI computer for Autonomous Machines

AI Server Performance in 30W • 15W • 10W
512 Volta CUDA Cores • 2x NVMLA
8 core CPU
32 DL TOPS
<table>
<thead>
<tr>
<th></th>
<th>JETSON TX2</th>
<th>JETSON AGX XAVIER</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>GPU</strong></td>
<td>256 Core Pascal @ 1.3GHz</td>
<td>512 Core Volta @ 1.37GHz</td>
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<tr>
<td></td>
<td></td>
<td>64 Tensor Cores</td>
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<tr>
<td><strong>DL Accelerator</strong></td>
<td>-</td>
<td>(2x) NVDLA</td>
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<tr>
<td><strong>Vision Accelerator</strong></td>
<td>-</td>
<td>(2x) 7-way VLIW Processor</td>
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<tr>
<td><strong>CPU</strong></td>
<td>6 core Denver and A57 @ 2GHz (2x) 2MB L2</td>
<td>8 core Carmel ARM CPU @ 2.26GHz (4x) 2MB L2 + 4MB L3</td>
</tr>
<tr>
<td><strong>Memory</strong></td>
<td>8GB 128 bit LPDDR4 58.4 GB/s</td>
<td>16GB 256-bit LPDDR4x @ 2133MHz 137 GB/s</td>
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<tr>
<td><strong>Storage</strong></td>
<td>32GB eMMC</td>
<td>32GB eMMC</td>
</tr>
<tr>
<td><strong>Video Encode</strong></td>
<td>(2x) 4K @30 HEVC</td>
<td>(4x) 4Kp60 / (8x) 4Kp30 HEVC</td>
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<tr>
<td><strong>Video Decode</strong></td>
<td>(2x) 4K @30 12 bit support</td>
<td>(2x) 8Kp30 / (6x) 4Kp60 12 bit support</td>
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<tr>
<td><strong>Camera</strong></td>
<td>12 lanes MIPI CSI-2 D-PHY 1.2 30Gbps</td>
<td>16 lanes MIPI CSI-2 8 lanes SLVS-EC D-PHY 40Gbps / C-PHY 109Gbps</td>
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<tr>
<td><strong>PCI Express</strong></td>
<td>5 lanes PCIe Gen 2 1x4 + 1x1</td>
<td>2x1 + 1x4</td>
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<tr>
<td><strong>Mechanical</strong></td>
<td>50mm x 87mm 400 pin connector</td>
<td>100mm x 87mm 699 pin connector</td>
</tr>
<tr>
<td><strong>Power</strong></td>
<td>7.5W / 15W</td>
<td>10W / 15W / 30W</td>
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VOLTA GPU
Optimized for Inference

8x Volta SM @ 1377MHz
512 CUDA cores, 64 Tensor Cores
22 TOPS INT8, 11 TFLOPS FP16
8x larger L1 cache size
4x faster L2 cache access
4 scheduler partitions per SM
CUDA compute capability 7.2
NVIDIA TensorRT
Production Inferencing

Compile and Optimize Neural Networks
Support for every framework
Optimize for each target platform
Our Models

PRODUCTION-READY MODELS PRE-TRAINED WITH MILLIONS OF CUSTOM DATASETS

Object Tracking & Segmentation

Connect any IP camera for traffic control

Anonymized Person and Face Detection

Fire detection & weapon from any camera
Solutions

PRODUCTION-READY MODELS PRE-TRAINED WITH MILLIONS OF CUSTOM DATASETS

- PRIVACY FOR EVERY FACE OR PERSON
- DETECT EVERY LICENSEPLATE
- INTELLIGENT FIRE DETECTION
- RECOGNIZES THE USE OF WEAPON
- DETECT OBJECTS BY NIGHT
- SMART CITY / ROAD CONDITION
Solutions

Industrial  Aerospace/Defense  Healthcare  Construction  Agriculture  Smart City

Retail  Logistics  Inventory Mgmt  Delivery  Inspection  Service
IP-based applications

Video Transcoding & Transmuxing
AVC<->HEVC up 4K x 2K 60 Hz
Protocol Conversation
RTMP, SRT, HTTP (s), RTSP

Video Decoders
- H.265 Video Decoder
- H.264 Video Decoder
- MPEG4 Video Decoder
- VP8 Video Decoder
- VP9 Video Decoder
- JPEG Decoder

Encryption and Decryption
- AES -128 CBC

Video Encoders
- H.264 / AVC Video Encoder
- H.265 / HEVC Video Encoder
- VP9 Video Encoder
- JPEG Encoder

Video Filters
- Rotation
- Scaling
- Artificial Image Processing (CUDA)
Use scenarios

OUR READY TO GO PLATFORMS, BASED ON OUR SOFT- AND HARDWARE TECHNOLOGY

MONITORING & AUTOMATION OF INDUSTRIAL PLANTS

WE CONVERT VEHICLES TO DATA SUPPLIERS

WE CONVERT CAMERAS TO SENSORS

WE CONNECT NETWORKS THROUGH FAST META DATA TRANSFER