



ABR to QAM Solution

Convert ABR Streams for Delivery to Edge Networks

Introducing WISI's new ABR to QAM solution within the Tangram Video Platform. This new solution enables video operators to streamline operational efficiencies and launch next-gen infrastructure while serving existing QAM-based edge networks. Utilize a single platform to receive ABR streams, decrypt, and output in QAM. Choose to output streams in IP to feed IPTV networks or to front-end existing equipment.



Benefits

- ✓ Streamline operational efficiencies by bridging next-gen video delivery and legacy infrastructure at hospitality sites
- ✓ Continue to provide secure end-to-end content protection with robust decrypt and encrypt capabilities
- ✓ Trust a globally deployed product with an active roadmap
- ✓ Deliver video streams to hospitality locations beyond current footprint

Why ABR to QAM?

Video operators provide business accounts such as hospitality networks with Pay TV services in parallel with TV services to residential subscribers. As operators migrate residential networks to use multiscreen ABR, they maintain linear QAM-based video for business accounts, resulting in unnecessary duplication and significant operational costs.

With WISI's new ABR receiver, operators can re-purpose ABR video streams from multiscreen deployments and convert to IP transport stream for IPTV services or to QAM-based hospitality networks. This new solution allows video operators to connect multiscreen Pay TV services to the edge and maintain existing infrastructure investments at hospitality sites. IP outputs can be used to feed IPTV services at edge locations or to front-end existing QAM or Analog equipment.



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Tangram GT2000 Universal IP to Edge Module

Use one module for an entire application. The Tangram GT2000 Universal edge module uses powerful, next gen hardware with RF output options.

Pair this revolutionary module with the ABR Receive software license, the GT5100, to receive MPEG-DASH streams, bulk decrypt Widevine or Verimatrix, and output transport stream as QAM or IP.

Additional chassis capacity available for other applications such as encryption, local channel encoding or analog conversion.



- Receive and bulk decrypt ABR streams, and output transport stream as IP or QAM, from a single module
- Supports multiple input/outputs and functionalities
- Set or change functionality with an easy software upgrade

Benefits of the Tangram Video Platform



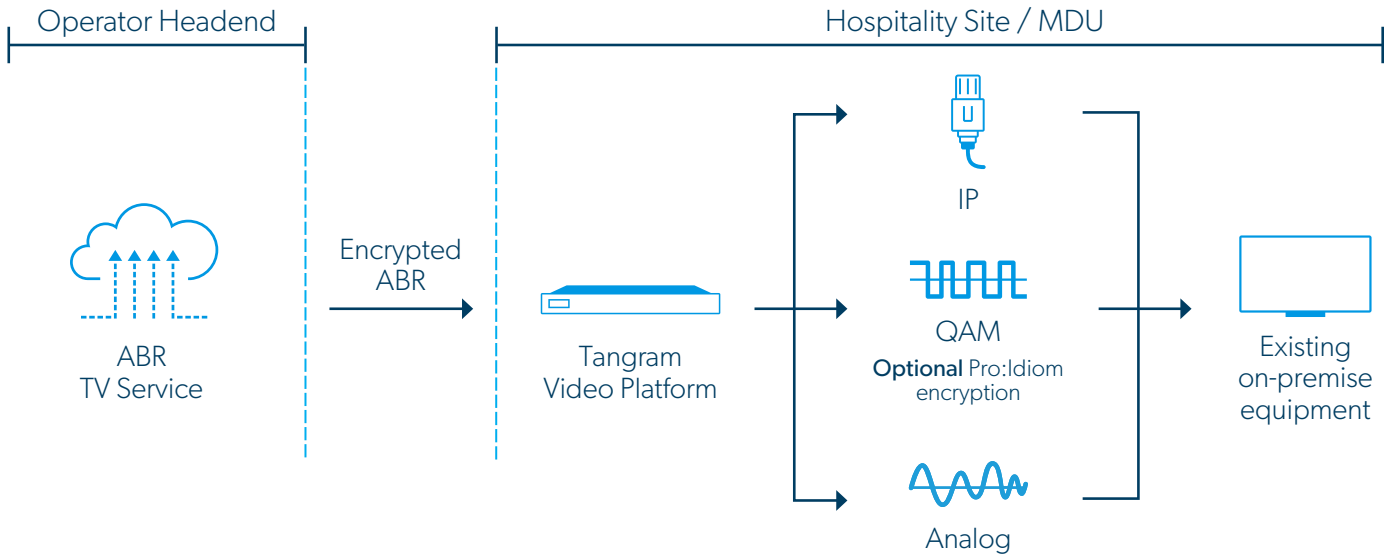
- ✓ Save on rack space, power, and cooling costs for high-density deployments
- ✓ Combine modules in a 1RU chassis to meet specific application needs
- ✓ Utilize additional chassis capacity for other applications such as local channel encode, IP to Analog, Pro:Idiom encryption
- ✓ Bridge between digital and RF - migrate to IP distribution and connect to existing edge networks



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Re-purpose ABR Services at the Edge



Solution Specifications

Tangram ABR Receiver	
Operation mode	GT2000 Universal IP to Edge Module GT5100 software license for ABR to QAM or IP outputs
IP Inputs	Ingest up to 60x MPEG-DASH video streams, per module with up to 2x audio streams per video*
GT2000 Connectors	1x RF output 1x RF test output 1x Genlock BNC socket
Bulk Decryption	Verimatrix OTT, Google Widevine Integration with Widevine key server may be required
QAM outputs	Up to 16x QAM outputs* on 1x RF output, per module
Channel guide	Optional Electronic Program Guide with Gracenote integration
Management	Web-based user interface, REST API for centralized management and monitoring

* Preliminary specifications. Subject to change.



Why WISI?

- ✓ Work with a world pioneer in video distribution and video processing, founded in 1926
- ✓ Experience a customer-first culture focused on the needs of video operators
- ✓ Utilize local technical support, certified by the SCTE as digital video engineering professionals
- ✓ Rely on our healthy supply chain - we own our manufacturing and production facilities



Provided by: Mega Hertz | 800-883-8839 | info@go2mhz.com | www.go2mhz.com
<https://www.go2mhz.com/product/high-density-video-processing/>