

WISI

100 YEARS

Convert ABR Streams for
Delivery to Hospitality Networks

wisigroup.com



The Future is ABR Commercial Video Must Follow

We live in an ABR world. Streaming is now the standard for residential video delivery, making ABR the foundation of modern video networks.

Yet many operators still use legacy QAM to deliver content to commercial properties. This is a roadblock to network modernization, preventing operators from reclaiming bandwidth for broadband growth and new services.

At the same time, many hospitality gateways are now End of Life. Without firmware updates or active support, they become increasingly unreliable and difficult to maintain, putting service continuity at risk.

ABR delivery removes these barriers. Operators can accelerate network upgrades, retire QAM infrastructure, replace aging gateways, and use the same ABR streams to serve both residential and commercial customers. For operators migrating away from satellite distribution, repurposing ABR streams also reduces the cost of delivering content to commercial properties.

Key Challenges:

- Commercial video services are delaying network modernization projects
- Legacy QAM infrastructure consumes valuable bandwidth and network resources
- Rising satellite and video distribution costs increase operating expenses
- End-of-life hospitality gateways are increasingly unreliable
- Commercial video must be modernized without replacing deployed end devices



Unlock Commercial Value With the ABR Receiver

WISI's ABR Receiver repurposes encrypted ABR streams already used for residential subscribers and OTT platforms. At the hospitality site, it receives and bulk decrypts existing ABR profiles, then converts them back to transport stream. Operators can support commercial accounts without creating or maintaining a separate linear video workflow.

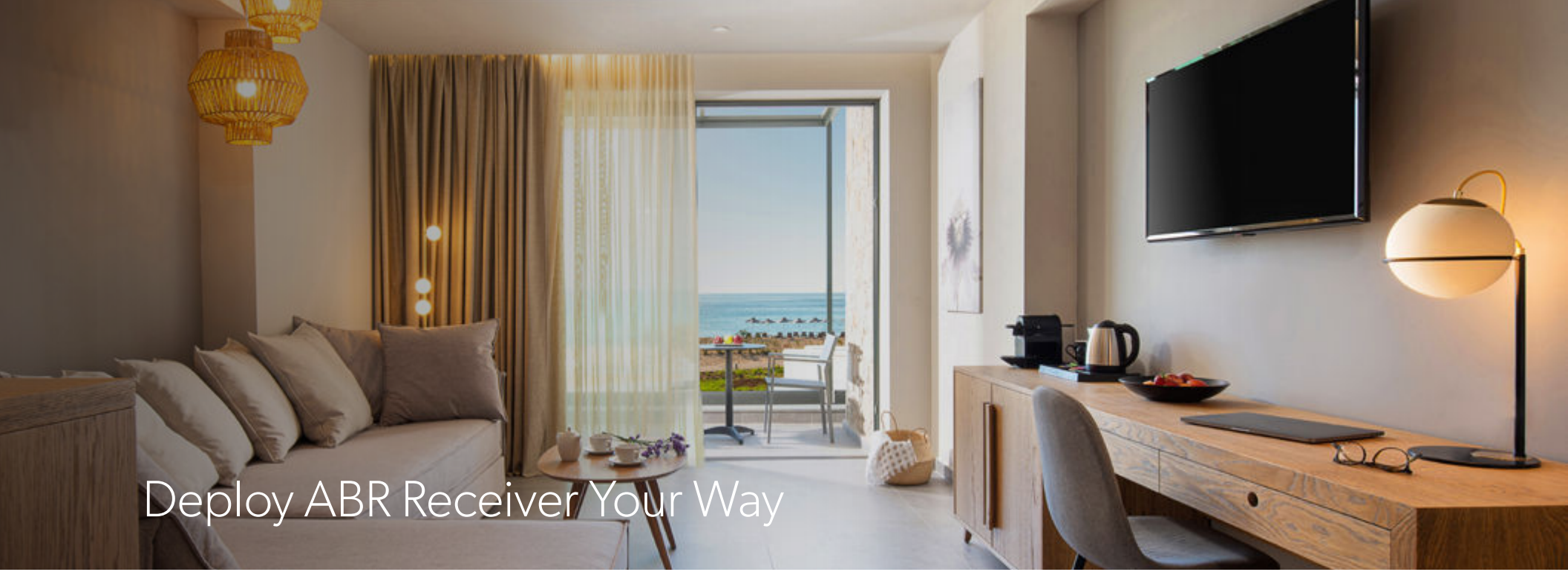
Outputs include IP for IPTV networks, QAM for RF distribution, or Analog for legacy televisions and fitness equipment. Existing televisions, set-top boxes, and wiring remain in place; only the gateway is replaced.

The same ABR transcoding and packaging infrastructure can now serve residential and commercial customers, simplifying headend operations.

With an ABR Receiver, operators can unblock network upgrades, reduce infrastructure costs, and reclaim bandwidth for broadband growth. They can also create new revenue opportunities by extending commercial video services beyond the QAM footprint.

Key Benefits:

- ✓ Use the same ABR streams for residential and commercial video services
- ✓ Accelerate network modernization and reclaim bandwidth for broadband growth
- ✓ Reduce video delivery costs by retiring QAM infrastructure and satellite-based distribution
- ✓ Simplify operations with reduced headend equipment and a unified ABR delivery workflow
- ✓ Expand commercial video services beyond the existing QAM footprint



Deploy ABR Receiver Your Way

Choose one of the following deployment models that best fits your network architecture and business objectives.

1. Central deployment

Receive, bulk decrypt, and optionally transcode ABR streams at a central headend location. This model is ideal for operators using hosted IPTV platforms or managed video services where ABR streams are already delivered into the operator network for residential subscribers.

If transcoding is required, a centralized deployment lowers costs by processing streams once at the headend rather than replicating resources at every commercial property.

After processing ABR streams centrally, video is distributed as IP transport stream to commercial properties. Cost-effective IP-to-QAM gateways at the site then delivers services over existing in-building coax networks where RF distribution remains in use.

2. Edge deployment

Receive and process ABR streams directly at the property. Ideal for independent commercial deployments. Outputs from the ABR Receiver can be IP, QAM, or Analog, allowing operators to preserve existing televisions and in-building infrastructure.

> *"WISI has been a great partner —innovative, responsive, and willing to work with us through unique integration challenges."*
>
> *- Linwood Tyndall, Headend & IT Engineering Manager at Greenlight Community Broadband*

Greenlight uses WISI's ABR Receiver to repurpose TiVo-managed ABR streams for commercial video delivery.

Choose the Right ABR Receiver

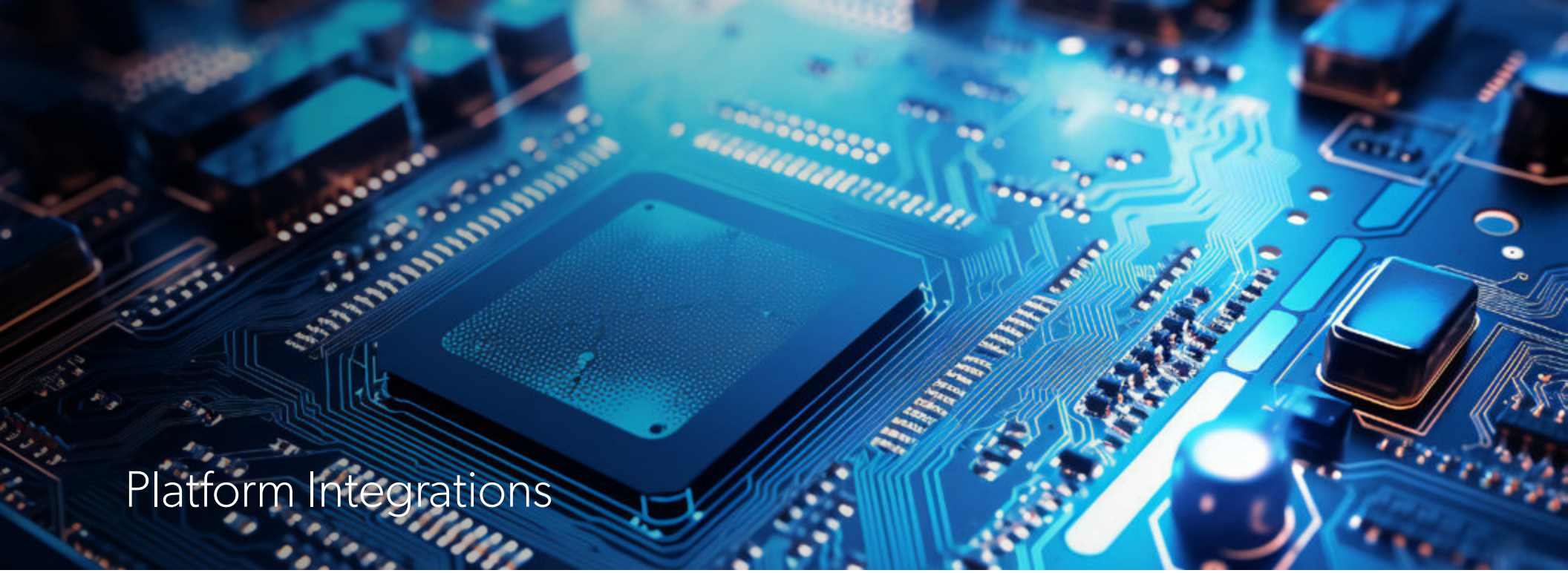
WISI offers three purpose-built ABR Receive solutions for both central and edge deployments. From cost-effective edge deployments to high-density centralized processing, each platform is optimized for specific operational, technical, and budgetary requirements. Across WISI's video portfolio, software licensing and replaceable modules allow functionality to evolve as requirements change, helping operators extend platform life and protect their investment.







	Blueline Video Gateway	Tangram High-Density Platform	Inca IP Video Platform
Overview	Compact, software-defined appliance	Modular, high-density for IP, QAM, or analog outputs	Modular, high-density for IP outputs with optional transcoding
Deployment model	Ideal for edge deployments	Central or edge deployments	Ideal for central deployments. Deploy GTBLE23A gateways for cost-effective IP to QAM where needed
Rack size	1RU	1RU	1RU
Inputs	Up to 60x MPEG-DASH or CMAF inputs per chassis	Up to 60x MPEG-DASH or CMAF inputs per GT2000 module. Capacity for 6x modules per chassis	Up to 100x MPEG-DASH or CMAF inputs per chassis
Decryption options	Google Widevine	Google Widevine	Google Widevine, Verimatrix
Output formats	IP or QAM	IP, QAM, or Analog	IP
Management and monitoring	Web UI, REST API, SNMP trap forwarding	Web UI, REST API, SNMP trap forwarding	Web UI, REST API, SNMP trap forwarding
Additional options	Electronic Program Guide (EPG) Change functionality with software	Electronic Program Guide (EPG) Local channel insertion Pro:Idiom encryption	Transcode between MPEG-2, MPEG-4, HEVC



Platform Integrations

New Integrations

For customized and on-premises ecosystems, WISI integrates with DRM authentication, EAS services, and EPG platforms, working closely with customers for efficient deployment.

Managed IPTV Services

WISI ABR Receive solutions integrate with TiVo Managed IPTV Service, Innovative Systems, and Minerva Networks. They receive, decrypt, and convert centrally managed ABR streams, using the same content already delivered to residential subscribers.

TiVo

Innovative Systems

MINERVA

Why WISI?

WISI brings extensive real-world ABR Receive deployment experience and understands the technical, integration, and training requirements for success. From DRM authentication to EAS and EPG implementation, WISI's experienced team supports customers throughout planning, integration, and deployment.

- ✓ Partner with an established technology leader founded in 1926, serving 2,500+ customers
- ✓ Deploy commercial video platforms trusted at thousands of properties worldwide, with 10,000+ units in service
- ✓ Access technical support from SCTE-certified Digital Video Engineering Professionals based in North America



Our sales and product teams are available for project discussions and online demos.

Visit us at wisigroup.com or contact us at sales@wisiamerica.com

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