

Media Edge Gateway mini - MEG.mini

**Single Channel, Software Defined Endpoint,
Handoff for Affiliates and MVPDs**



Deliver video at scale, lower costs and reach markets faster with MEG.mini

Free your content and distribute it at scale to thousands of locations instantly with Media Edge Gateway mini (MEG.mini), remove lengthy and costly equipment distribution, and deliver new channels and markets fast and frictionless in days.

Media Edge Gateway mini is a flexible, software-optimized single-channel endpoint powered by Synamedia's Media Edge Gateway (MEG) software stack. It offers flexible edge processing, cloud-to-ground connectivity, and the ability to adapt content to the needs of Affiliates and MVPDs.

Switch to IP video distribution with MEG.mini edge processing providing secure delivery across IP, CDN and satellite networks for a frictionless transition. Single channel HD decode, transcoder and secure content handoff with SRT and PowerVu content protection. With its flexible CAPEX and OPEX commercial model, you can adapt to evolving content distribution demands without the burden.

MEG.mini addresses customers ask to reduce delivery costs, time to market and operational complexity with deployment in days on locally sourced, readily available platforms matched to the processing needs of single channel delivery. MEG.mini is a natural extension of Quortex PowerVu adding optimized edge processing with centralized management and monitoring.

Key Functionalities

Flexible Processing

- Single channel transcoder up to 1080i/720p
- SRT receive endpoint
- Single MPEG-2 Transport Stream descrambler
- Locally sourced HW platforms

Ease of Use

- Easy in-field software installation and registration
- Operational focused interface reducing configuration time
- Centralized control and monitoring with Quortex PowerVu

Future options

- DVB-S/S2/S2X satellite input
- HLS and DASH/CMAF input
- DRM decryption
- PowerVu CA Decryption
- Decode to SDI and HDMI up to 1080p

Technical Advantages

- SRT input
- MPEG-2 Transport Stream over HTTP (TSoverHTTP)
- SRT AES-128/192/256 decryption
- BISS1 I/E decryption
- Transcoding from/to MPEG-2, AVC and HEVC
- SMPTE 2022-2 output
- Graphic overlay functions for content identification

Media Edge Gateway mini - MEG.mini

Synamedia Approved Platforms

Type	Name	Supplier	Additional info
Mini PC	Mini S12	Beelink	https://www.bee-link.com/catalog/product/index?id=450 Beelink Mini PC Intel 12th Gen N95 (3.4GHz) 8GB DDR4, 256 GB SSD, Dual Display, WiFi5, BT4.2, USB3.2

Product Specifications

Processing	
Input Types	<ul style="list-style-type: none"> • SRT • TSoVerHTTP • SMPTE 2022-2
Output Types	<ul style="list-style-type: none"> • SMPTE 2022-2
Decryption	<ul style="list-style-type: none"> • SRT sources protected with AES-128/192/256 transport encryption • MPEG-2 Transport Streams protected with BISS1 I/E payload encryption
Transcoding	<ul style="list-style-type: none"> • From/to MPEG-2/AVC/HEVC
Monitoring and Management	<ul style="list-style-type: none"> • Web UI • Centralized monitoring via Quortex PowerVu • Fully documented open API enabling third party component integration