

FloodGate® FG-5000 Series Transcoder

High-Density MPEG2 & MPEG4 Transcoder

Advancing the State-of-the-Art in MPEG Transcoding Solutions

Introducing the new FloodGate® FG-5000 Series Transcoder, an HDTV headend appliance for hospitality and other commercial markets. The FG-5000 Series are multi-format transcoders capable of delivering from 8 up to 48 streams in a 3U appliance. Transcode from MPEG2 to MPEG4 (H.264), or MPEG4 to MPEG2, or MPEG4 to MPEG4. Support for transrating and transcaling of HD bitrates and resolutions down to smaller formats suitable for delivery in mobile, handheld, or TV-everywhere digital video delivery applications.

Optional support for DVB-ASI inputs, DVB-C QAM outputs, and industry standard AES-128 decryption/encryption including: DTCP/IP, Pro:Idiom, Samsung LYNK, or Verimatrix.

FloodGate® FG-5000 is the premier commercial transcoding solution.



- 8 to 48 simultaneous transcodes
- Gigabit Ethernet, IP input / IP output
- Optional ASI inputs, QAM outputs
- Multi-format video & audio transcode
- MPEG2 to MPEG4 (H.264)
- MPEG4 (H.264) to MPEG2
- MPEG4 to MPEG4
- MPEG2 HL@MP, H.264 L4.2@HP
- Transrating HD bitrates or lower
- Transcaling HD resolution or lower
- Optional decrypt/encrypt

Features & Benefits of the FloodGate® 5000 Series

Feature	Benefit
Next Generation Transcoder Technology	Highest density/lowest cost per stream in the industry
High density	48 simultaneous transcodes
Multi-format video support	H.264 MP,HP@L4.2 720p, 1080i, 1080p H.264 MP,HP@L3.0 480i, 576i MPEG2 MP@HL 720p, 1080i, 1080p MPEG2 MP@ML 480i, 576i
Multi-format audio support	MPEG1 Layer II, MPEG1 Layer III (MP3), AAC LC, Dolby Digital (AC-3), Dolby Digital Plus (EAC-3), PCM, WMA
Transrating	HD bitrates down
Transcaling	Upscaling / downscaling, HD resolution
Flexible Profiles	Ensures source/destination compatibility
Flexible I/O	Gigabit Ethernet (IP) input/output, DVB-ASI inputs, DVB-QAM outputs
Optional encryption/decryption	Supports AES-128 industry standards for DTCP/IP, Pro:Idiom, Samsung LYNK, Verimatrix
3 Year Warranty	Investment protection

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Flexible Models to Accommodate Any Requirement

FG-5422 (MPEG4-to-MPEG2)

Transcodes DISH Network or DirecTV satellite MPEG4 content to MPEG2 for playout to MPEG2-only TVs.

- Models to support up to 12, 16, 24, and 32 streams
- DTCP/IP encrypted MPEG4 input
- Pro:Idiom or Samsung LYNK encrypted MPEG2 output over QAM
- Site can maintain existing coax and MPEG2 HD Televisions
- Supports closed captioning
- Optional simultaneous transcode of select inputs to MPEG4 mobile formats for IP output (FG-5424 functions, below)

FG-5424 (MPEG4-to-MPEG4)

Transcodes DISH Network or DirecTV satellite MPEG4 content to MPEG4 for playout to mobile.

- DTCP/IP encrypted MPEG4 input
- In-the-clear or selected encrypted mobile MPEG4 IP output

FG-5224 (MPEG2-to-MPEG4)

Transcodes MPEG2 content to MPEG4.

- In-the-clear or encrypted IP or DVB-ASI input
- In-the-clear or encrypted IP, QAM, or DVB-ASI output



Specifications

IP Inputs/Outputs

- Connections : 2 GigE Ethernet RJ-45 (Input, Output)
 1 10/100Base-T RJ-45 (Management port)

DVB-ASI Inputs (Optional)

- Connector: 6 BNC-type, female
Configuration: 6, 12, 18 ports

DVB-C QAM RF Output (Optional)

- Connector: F-type, female
Configuration: 12 or 24 QAM channels

Management

- Protocols: SNMPV1, SNMPv2
UI: IE7/8 browser

General

- Dimensions: 19"Wx5.25"H x17"D
Weight: 28lbs.
Mounting: Horizontal

VideoPropulsion offers world-class training & toll-free technical support!