

NeXgen Gateway



The NeXgen Gateway (NXG) is an extremely powerful, two-way, future-proof platform that is ideal for delivering next generation video services to enterprise locations including hospitality, educational, multifamily residential, healthcare, business parks, or stadiums.

The NXG addresses the challenges of migrating to future IP-DRM content protection practices, while supporting today's CableCARD® ingest encryption.



Enterprise
Locations



Multifamily
Residential



Educational
Campuses

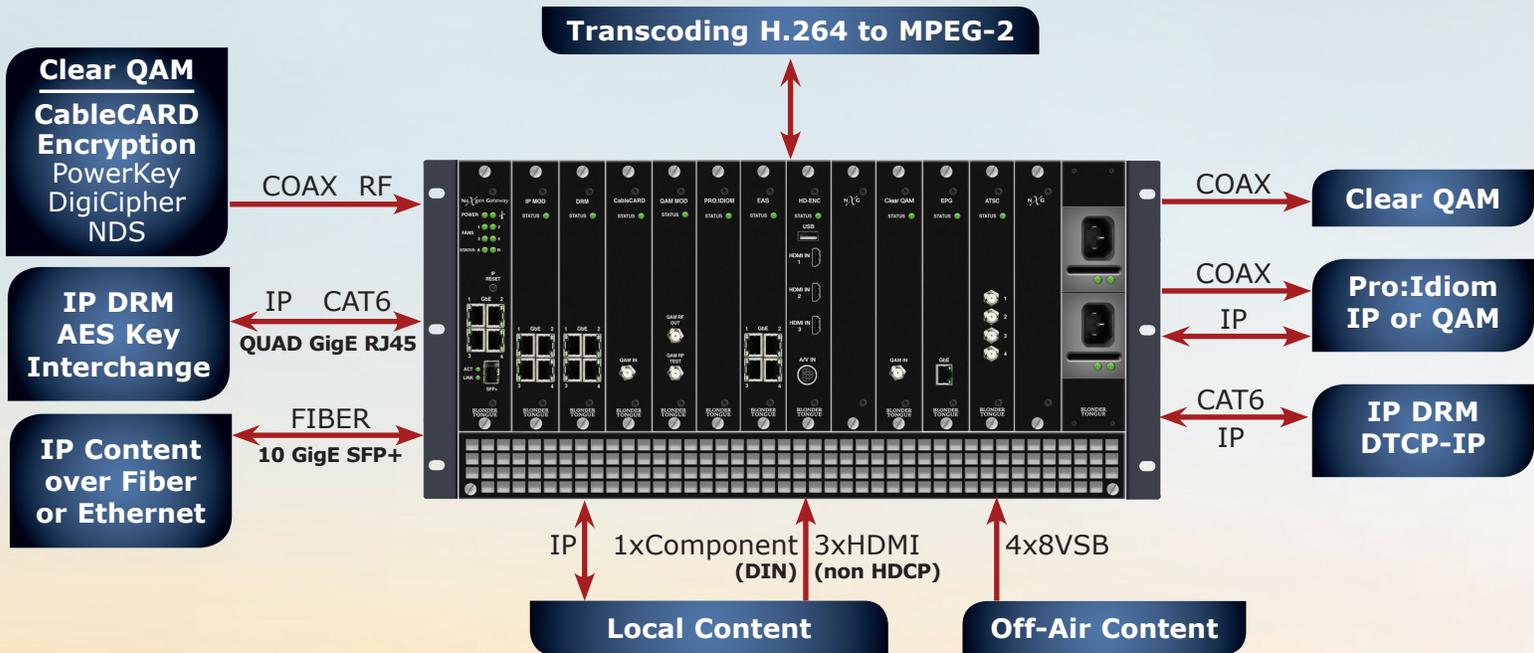


Healthcare
Facilities



Hospitality
Hotels/Stadiums

System Overview



System Components



NcXG Mainframe

The NcXG Mainframe provides:

- (a) input and output signal conditioning and management,
- (b) communication and management via a powerful Linux-based monitoring & control system,
- (c) module interconnection via a 2.5 gig high-speed-data based backplane, and
- (d) DC power to various sections/modules via fully redundant, hot swappable power supply.

The NcXG Mainframe utilizes secure web pages to control the entire platform module functionality, input channel source selection (RF/IP), and output channel destination selection (RF/IP).

IP Module(s)



The **IP** modules provides IP connectivity to the NXG backplane.

The **NXG-IP** is an input/output module that supports up to 256 SPTS per 1Gb RJ45 Ethernet port for a total capacity of 1024 SPTS per module.

The **NXG-IP-MPTS** module accepts up to 32 MPTS per 1GbE port, and up to 16 programs per MPTS, for a full capacity of 2048 streams.

EAS Module



The **Emergency Alert System (EAS)** module is a scalable and cost-effective solution, allowing video service providers to deliver next generation video content and SCTE compliant EAS messaging to hospitality locations.

Each **NXG-EAS** module handles on EAS zone permitting a single NXG platform to service multiple properties with targeted messages by using multiple EAS and IP or QAM output modules.

CableCARD®



The **CableCARD® QAM Input Decryptor** module includes multiple full-band-capture QAM tuners and four (4) CableCARDs to provide ingest of up to twenty four (24) programs from the incoming cable system.

The module is capable of tuning any twenty four (24) QAM channels from 54 to 1002 MHz, and will decrypt any MediaCipher, PowerKey, or NDS encryption, based upon the customer-installed CableCARDs.

QAM Modulator



The **NXG-32CH-QM** multi-channel QAM Modulator provides up to 32 QAM 256 channels. All 32 output channels are fully agile from 54 to 1002 MHz, with the requirement that all channels must be within a 768 MHz frequency span.

Each program can be configured to support a customized channel lineup for desired locations.

Pro:Idiom for IP or QAM



The **Pro:Idiom** module(s) are designed to add Pro:Idiom security at Transport Stream level protection for either IP Pro:Idiom or Pro:Idiom QAM deployments.

To receive the programs, a viewer is required to use a Pro:Idiom decryptor.

Clear QAM Input Module



The **NXG-CQAM-24** input module includes multiple full-band-capture QAM tuners to provide ingest of up to twenty four (24) programs from the incoming cable system. The module is capable of tuning any (24) “clear QAM input” channels from 54 to 1002 MHz.

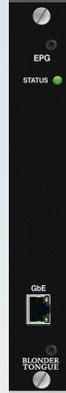
HD Encoder



The **HD Encoder** module accepts (4) HD programs from (1) of the available inputs: HDMI (unencrypted), or Component/Composite video via (1) DIN connector. The output IP stream is delivered to the Mainframe backplane for further **NXG System** processing.

The **HD Encoder** module allows the user to customize their channel lineup by insertion of locally generated content, targeting their unique guest requirements, or to create a source for advertising revenue.

EPG



The **Electronic Program Guide** module allows content Service Providers to offer a digital program guide for a property's unique channel lineup. The **EPG** module can be configured to use the Service Provider's existing guide data source or Gracenote Global video data.

The **EPG** is customizable to include a logo, image, or jpg banner ads in the TV screen header or footer sections, allowing a property to promote special events, or sell ad space to local businesses for more revenue.

ATSC Demodulator



The Broadcast **ATSC Demodulator** module is a four (4) independent 8VSB tuner-based design that simultaneously demodulates all four (4) inputs to IP MPEG-2 transport streams for further processing.

The MPEG-2 PSIP tables associated with each of the selected programs can either be passed through to the output, or can be customized by the Operator to create a custom lineup from cable or off-air sources.

IP Input DRM



The **IP Input Digital Rights Management (DRM)** module supports full content video delivery from a Service Provider to Enterprise property locations via Ethernet.

The **IP Input DRM** module is a scalable and cost-effective solution that can be easily integrated into any existing IP video work flow, allowing video Service Providers to securely deliver next generation IP video content to hospitality locations.

Power Supply



The dual redundant power supplies are hot swappable, auto-fail-over, and automatically notify the monitoring system of any issue.

Purchase from Multicom  www.multicominc.com | 800-423-2594



Blonder
Tongue

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