

Diamond C1

Single slot IP streaming chassis



The versatile Diamond C1 chassis, with its dual redundant power supplies, hosts one VITEC OG streaming card. It can be mounted in a 19" rack or used on a desktop.

The Diamond C1 chassis is a modular high-end frame supporting VITEC OG cards. It is ideal for organizations looking for a reliable, easy and affordable video contribution solution or an IPTV head end.

The Diamond C1 chassis enables VITEC OG users to integrate an MGW Diamond or Ace Decoder OG card for use in a desktop or rack-mounted environment.

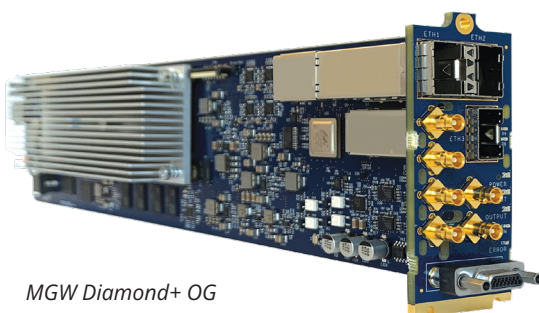
The chassis, with its adaptive cooling and dual redundant power supplies, delivers reliability and performance for continuous operation. The OG card type is displayed on the front panel LCD screen along with real-time status information.

Supported VITEC OG cards

- MGW Diamond OG
- MGW Diamond-Hx OG
- MGW Diamond+ OG
- MGW Ace Decoder OG

Features & Benefits

- Supports VITEC OG encoder/decoder cards
- Front LCD for status information
- Compact design: 1RU, half 19" chassis
- Dual redundant power supply ensuring reliability for mission-critical applications



MGW Diamond+ OG

Applications

- IPTV distribution
- Broadcast contribution over IP
- Multi-site and/or multi-channel IP Video contribution
- Remote contribution
- Streaming video to desktop/laptop, TV and mobile devices
- Deliver video streams to mobile devices

Channel Density

Card Type	Function	Interface	#HD Channels	#4K Channels
MGW Diamond OG	Encoding	SDI/Composite	4	1
MGW Diamond-Hx OG	Encoding	HDMI/DVI/RGB	2	1
MGW Diamond+ OG	Encoding	SDI	4	1
MGW Ace Decoder OG	Decoding	SDI/HDMI/Composite	1	1

Technical Specifications

Management

- Chassis and card status available via front-panel LCD:
 - Streaming card status
 - Network information
 - Power supply monitoring
 - Fan speed monitoring

Network

- 1000BASE-T (Gigabit Ethernet, IEEE 802.3ab, streaming or management)

Physical Format

- 1 x VITEC OG card

Dimensions

- W: 220.6mm x D: 366.2mm x H: 43.3mm
(W: 8.69" x D: 14.42" x H:1.7")
- Weight: 1.73kg (3.81lbs) (no card installed)

Environment

- Operating Temperature: 0°C to +40°C (+32°F to +122°F)
- Operating Relative Humidity: 5% to 95% (non-condensing)

Regulatory

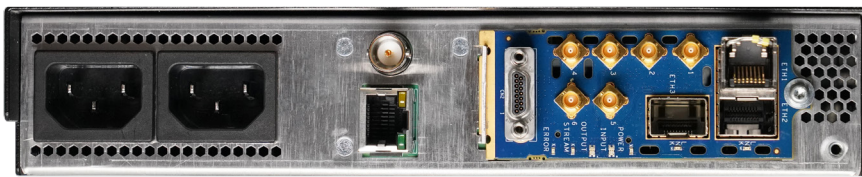
- CE (LVD, EMC, RoHS):
 - IEC 62368-1:2014
 - EN62368-1:2014 + A11:2017
 - EN55032:2012 + corrigenda Aug 2012 & Dec 2012
 - EN55024:2010 + A1:2015
 - EN 61000-3-2:2014
 - EN 61000-3-3:2013
- FCC:
 - 47CFR:2011 Part 15, Sub Part B, Class A

Power

- Dual redundant AC Power Supply 110-240V (50Hz-60Hz)
- 50W maximum

Ordering Information (P/N)

- 18961 - Diamond C1 Chassis
- 17900 - Dual rack mount kit (2x Diamond C1 or VNP/TNP)
- 17901 - Single rack mount kit (1x Diamond C1 or VNP/TNP)



Chassis with OG card installed