



iTX Appliance 2

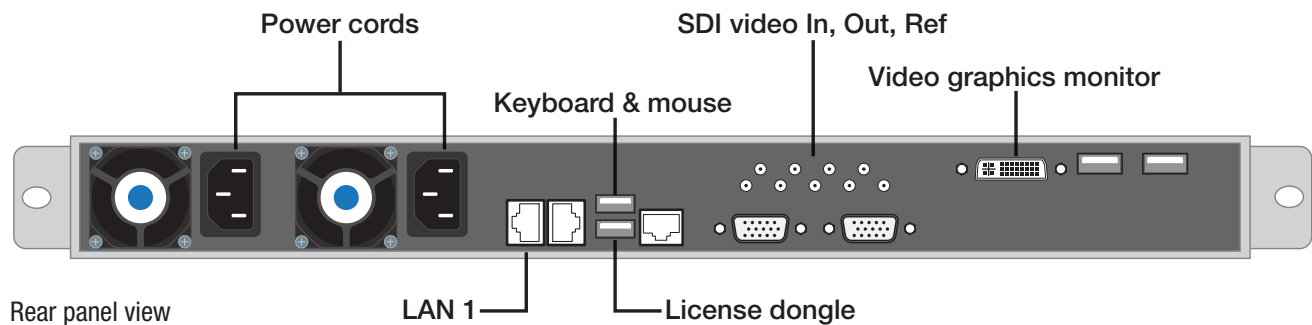
4K/HD/SD Dual/Single Channel Playout Platform

Advanced real-time video processing and graphics.

iTX Appliance 2 from Grass Valley is a dual- or single-channel platform for iTX integrated playout offering advanced, real-time processing for exceptional video quality and robustness. The platform is designed to support 4K (using four HD-SDI inputs, four HD-SDI outputs) and IP playout with iTX license options, without requiring any changes to the hardware.

The platform is highly adapted for live content, and can manage dynamic schedules and late arriving media by supporting multiple video format playback without the need to transcode.

iTX Appliance 2 also streamlines the playout of simulcast channels with independent graphics insertion using dual Vertigo XG processors, which are seamlessly controlled from a single interface. This dramatically reduces simulcast hardware requirements, while allowing broadcasters to have truly independently branded SD/HD channels. These powerful simulcast capabilities are enabled with dual channel processing for up/downconversion, embedded audio, caption conversion and Nielsen watermarking.



KEY FEATURES

Advanced, built-in processing

- Supports standard iTX channels and optional plug-ins
- Single- or dual-channel HD/SD models, which are ideal for simulcast
- Dual real-time, Vertigo XG graphics processors driven by single playlist*
- Live input up/downconversion*
- Simulcast embedded audio processing and Nielsen watermarking*
- Embedded Dolby D and E audio processing*
- Supports multiple video formats without transcoding*
- Supports ANC data such as VBI, OP47 captions and SCTE-104 triggers*
- Internal Softel subtitling and captioning*

Ready To Go

- iTX Appliance 2 ships pre-installed with iTX software
- Simple on-site configuration to join the platform to your iTX framework
- The iTX Appliance 2 may be optionally monitored by a Grass Valley iControl system

Reliable

- Fault tolerant disk storage for media with RAID-10 storage
- Solid-state system drive for faster loading time and better performance
- Dual user-replaceable power supplies

Supported

- Standard 1-year warranty
- Global coverage
- One number to call to support all aspects of your system

Efficient

- Lower power consumption per channel
- 1 RU space efficient server

*Optional licensable features

SPECIFICATIONS

Chassis Dimensions

Form: 1 RU rackmount chassis

Height: 27.8 mm (1.7 in.)

Width: 437 mm (17.2 in.)

Depth: 706 mm (27.8 in.)

Processors

Dual six-core Intel Xeon E5-2620v3 processors

Memory

32 GB main memory (RAM)

Media Cache Storage

2 TB of usable RAID-10 storage

System Disk Storage

120 GB SSD RAID-1

Video I/O

Up to eight SDI I/Os on DIN 1.0/2.3 connectors

Corvid LP: 3 BNC (SDI In/Out and Reference)

Graphics Card

NVIDIA Quadro K2200

DVI-I port (1) and DisplayPort 1.2 (2)

Power Consumption

Number of power supplies: 2

AC input voltage: 100-240V, 50/60 Hz

Input current: 1.55-3.74 (voltage dependent)

Input power: 400W max.

Temperature

Ambient temperature: 35°C (95°F)

Note: This shall be the maximum internal temperature within the rack in which the iTX Playout Appliance unit is installed

Operating System

Microsoft Windows Server 2008 R2

Onboard Controllers/Ports

USB 3.0 ports (2 front, 2 rear)

Dedicated IPMI LAN port (1)

COM port (1)

10 GigE ports (2)

ORDERING

GVSP-3TB-WIN-2IO

iTX Playout Appliance 2 – 2 I/O Hardware Only

1 RU iTX HD Playout Appliance 2 fitted with a 2 I/O Corvid LP board pre-configured with OS only and pre-equipped with GPU to support XG Inside (not licensed).

Compatible with a single channel of playout using OS1 or OS2 Video Engine.

GVSP-3TB-WIN-2+2IO

iTX Playout Appliance 2 – 2x2 I/O Hardware Only

1 RU iTX HD Playout Appliance 2 fitted with 2 x 2 I/O Corvid LP boards pre-configured with OS only (does not support XG in iTX).

Compatible with two channels of playout using OS1 or OS2 Video Engine.

GVSP-3TB-WIN-4IO

iTX Playout Appliance 2 – 4 I/O Hardware Only

1 RU iTX HD Playout Appliance 2 fitted with a 4 I/O board pre-configured with OS only and pre-equipped with GPU to support Vertigo XG (license not included).

GVSP-3TB-WIN-8IO

iTX Playout Appliance 2 – 8 I/O Hardware Only

1 RU iTX HD Playout Appliance 2 fitted with an 8 I/O board pre-configured with OS only and pre-equipped with GPU to support Vertigo XG (license not included).

Upgrades

GV Edge clients are able to upgrade the following GVSP servers to the iTX Appliance 2 output server specification with a view to migrating to the iTX platform:

K2-Edge SD-X11

K2-Edge-Dell-X11

K2-Edge-HDX-11

Upgrades performed with a field upgrade kit.

GVB-2-0508A-EN-DS



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