



MagnuBox[®]

Digital Media Logistics - All in One Box

At Vigor Systems we proactively anticipate any operational challenge for our customers within syndication, cable and broadcasting who are wrestling with complex, mission-critical business. As a leading provider of program delivery solutions for Broadcasters, we offer our MagnuBox integrated satellite receiver, program storage server, transcoder, and HDSDI player for your digital media logistics enterprise.

Operational Flexibility

Our MagnuBox servers are compact solutions for satellite program reception and Digital Program play out. They work equally well for primary program delivery as well as advertisements. The servers are managed by an intuitive Station Portal interface to receive programs. Programs can be directly played from the MagnuBox in conjunction with the TV station's automation system.

Ingest Content from Satellite

Four independent satellite inputs allow for simultaneous program recording from 4 service providers simultaneously. Programs are recorded as linear Transport stream feeds. The recorded streams are re-constructed as files for play out, or transcoded to other formats.

The MagnuBox servers are SD and HD content compliant and support multiple video formats. They are fully configured to be compatible with our PitchBlue and the Javelin[®] delivery platforms. The servers decode and playback MPEG-2 and MPEG-4 AVC /H.264 HD/SD files.

Saves You Re-transmission Costs

We have invested much effort in developing unique custom file verification algorithms. Small errors in files due to transmission errors are automatically dealt with at play out. This saves costly re-transmission.

Benefits

- / Improves operational visibility and performance significantly
- / Reduces operational costs and risks in daily operations by efficiently consolidating workflows
- / Creates the most advanced network distribution and monitoring system in the industry known as PitchBlue

Read more about our products and services at vigorsystemsinc.com.

KEY FEATURES

- / Four independent HDSDI outputs with support for external Genlock
- / Four individual satellite inputs enables simultaneous reception of 4 services
- / Integrated VDCP remote control
- / Supports MPEG-2 and MPEG-4 AVC/H.264 HD/SD formats
- / Full support for closed captioning
- / GigE admin / FTP file upload
- / 2.8TB usable storage (dual 3TB HDD in a RAID1 [mirror] configuration)
- / Setup and control via built-in web interface

Basic Server Configuration



VIDEO

1080p/30/29.97/25/24/23.98

1080i/60/59.94/50

720p/60/59.94/50

NTSC 525i/59.97

PAL 625i/50

AUDIO

Embedded audio per SMPTE-299M and SMPTE-272M

INTERNAL STORAGE

Dual 3TB SATA RAID Mirrored

SATELLITE INTERFACE

Four discrete inputs supporting DVB-S and DVB-S2 (QPSK, 8PSK)

Input terminals: F-type 75 Ohm, Receiving Frequency: 950 ~ 2150 MHz

Input Level: -40dBm +/- 10 dBm, Demodulator & FEC, Symbol Rate: 2-36 Msps

LNB supply voltage: 13 or 18 volts

MONITOR & CONTROL

Front Panel Keypad and LCD Display

Network and Web Browser Interface 100/1000 BaseT Ethernet (RJ-45)

INPUT/OUTPUT CONNECTIONS

(4) HDSDI - SMPTE-259M/292M Digital video outputs (75 ohm BNC)

(1) External bi- or tri-level Blackburst or GenLock (75 ohm BNC)

Ethernet LAN (3) copper RJ-45 Ethernet GigE

USB (2)

TRIGGERS & REMOTES

VDCP (DB-9) RS422 38.4 KHz baud rate. Video disk control protocol conforms to requirements for automation system control

PHYSICAL

Standard Server (1RU)

Dimensions

17" W x 19" D (43.2W x 48.3D cm)

Shipping Weight

24 lbs (10.9kg)

Input Voltage

100-240VAC 47/60Hz

Power Consumption

300 W max, 90 W typical, 50W idle

ENVIRONMENTAL

Operating Temperature

0 to 50°C (32°F to 122°F)

Operating Humidity

5-90% (non-condensing)

Storage & Transportation Temperature

-40°C to 70°C (-40°F to 158°F)

Storage & Transportation Humidity

0-95% (non-condensing)

Cooling

Internal fans, side entry, rear exhaust