

VPR-1

Channel in a Box

VPR-1 is a Cost-Efficient Video Server designed for Master Control Playout applications either Up Stream to Master Control or Down Stream as Channel in a Box.



VPR-1



- **Unpack, Connect, On-Air**

- VPR-1 is a Cost-Efficient Video Server designed for Master Control Playout applications either Up Stream to Master Control or Down Stream as Channel in a Box.
- Robust, easy to install and very simple to operate.
- It's dynamic GUI and Dual Graphic output allows the user to customize their user experience.
- Media Library, Programming, Ingest, Playout and CG operation windows are available for the operator to control the complete workflow.
- The user may combine SD and HD content on the same timeline and VPR-1 will manage both, adapting them to the output format by using real time on-the-fly conversion to ensure safe, accurate and high-quality playout.
- The CG inserts stills and animation either by manual control or automated as secondary events. It includes time and temperature, external file text, subtitles
- and metadata from the playlist and it supports a wide range of standard graphic file formats.
- And finally, VPR-1 allows you to take your SDI playout output and generate a high-quality video streaming and publish it to the web.

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- **Product Specifications**

- Channel in a Box
- HD/SD-SDI with Embedded Audio & NDI I/O
- Inputs: 1ch Live with Clean Switch to Internal Playout & 1ch Ingest
- Outputs: 1ch PGM w/CG, 1ch Play & PGM Streaming
- Codecs: DV, DVCPRO, DVCPRO HD, M-JPEG, MPEG-1, MPEG-2, MPEG-4, H.264/AVC, ProRes, DNxHD
- Wrappers: MXF, LXF, GXF, MPEG-TS, MPEG-PS, MOV/QT, AVI, DV, XDCAM, MP4
- Audio: PCM, MP3, MPEG-, AAC, MP2, M-JPEG, MPEG-2, AC-3
- Multi-Layers Graphics
- GPI Interface via optional USB device
- Hardware Versions
 - Server: 1RU, Redundant Hot Swappable Power Supply, Front Removable Media Drives
 - Workstation: High End Desktop Workstation

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- **Product Specifications**
 - Minimum Hardware Specs
 - CPU i9-10900K
 - RAM 32GB
 - GPU Quadro P1000
 - OS Drive 250GB M.2 NVME
 - Media Drive 2x 2TB SSD
 - Connectivity 1GbE & 10GbE
 - MCR Playout Functions
 - Manually created playlist
 - Traffic imported playlist
 - As Run Log
 - Programmable secondary events
 - Three playout modes
 - Streaming Output H.264





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Dual 10 GbE Ports

Power Supply
Redundant - Hot Swappable

NVMe OS Drive



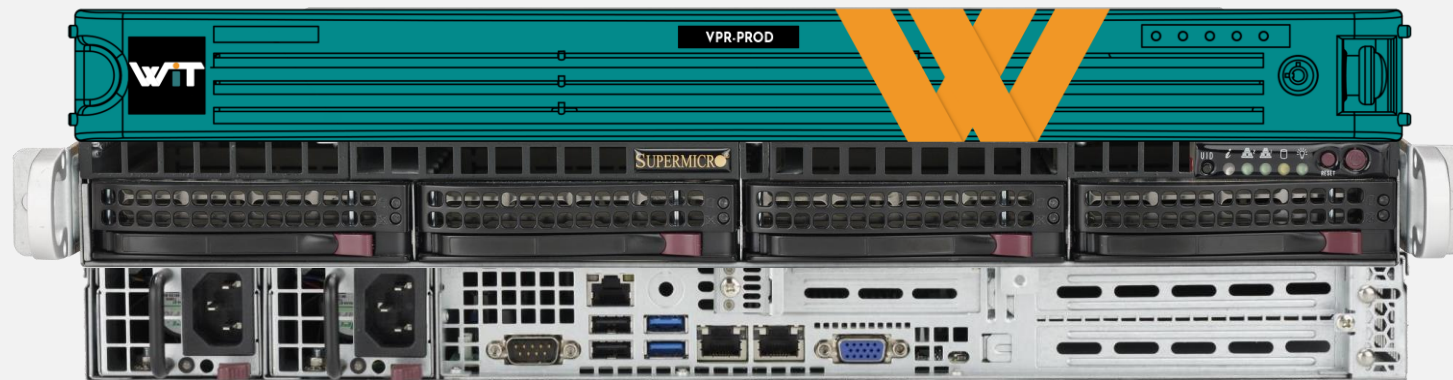
4x 3G I/O SDI
Genlock In



SSD Media Drive Front Removable



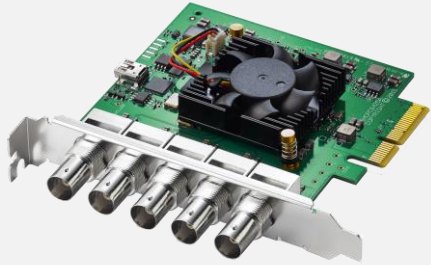
GPU with 3 Video Encode
and 1 Decode NVENC





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4x 3G I/O SDI
Genlock In

NVMe OS Drive

SSD Media Drive



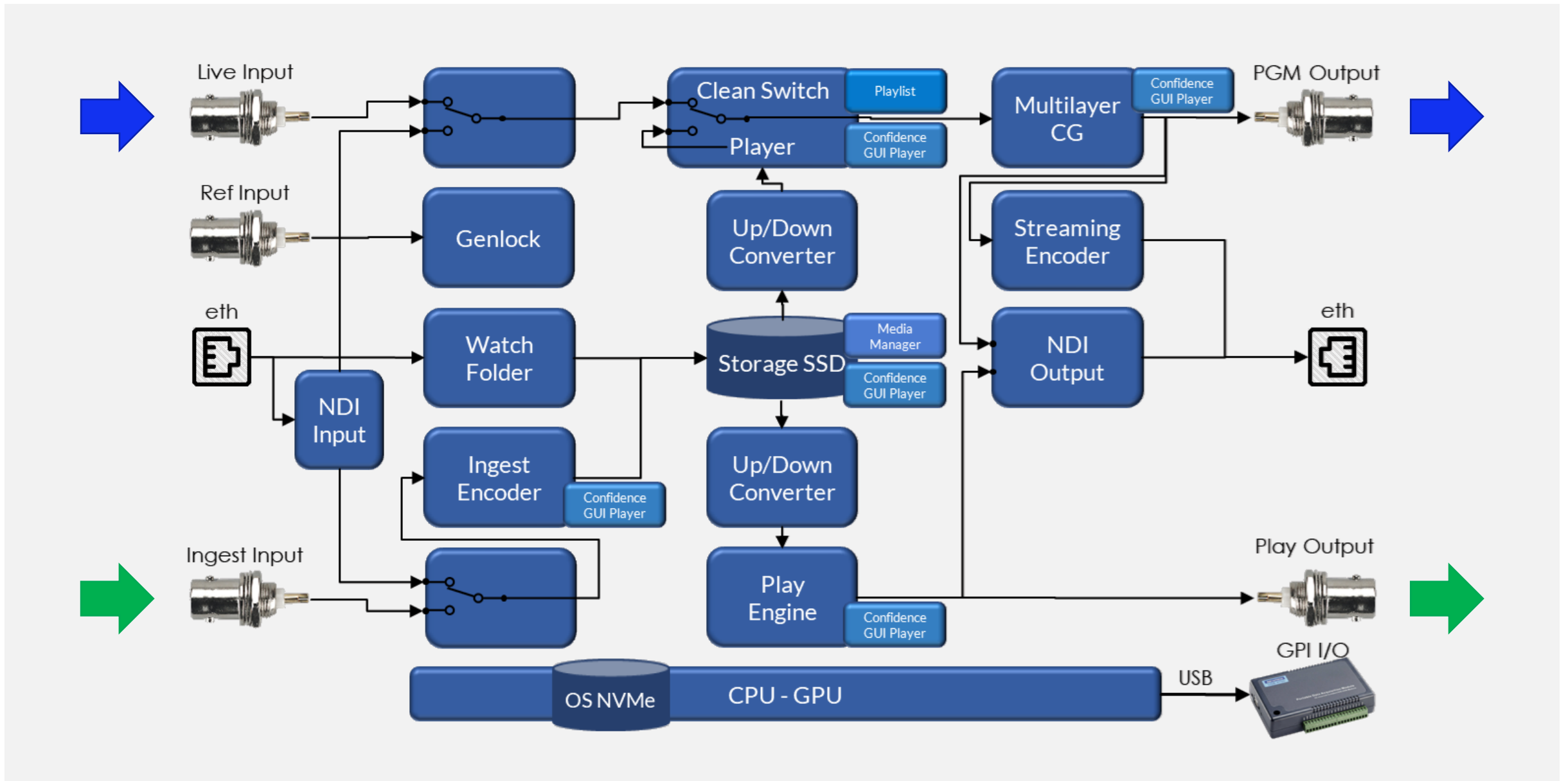
Single Power Supply
Gold Certified



1GbE & 10GbE Ports



GPU with 3 Video Encode
and 1 Decode NVENC



Library DB

Automated Graphics

Playout Playlist

Ingest Playout

The screenshot displays the VPR-1 GUI interface, which is divided into several functional areas:

- Library (Top Left):** A window titled "Storage 1" containing a table of assets. The table has columns for "Descripción", "Código", and "Longitud Re...". Assets include "Ads00001" through "Ads00004" and "Fade In Project Com00044". A "COMMAND" button is visible at the bottom.
- Playout #1 (Bottom Left):** A window titled "Playout #1" showing a playlist. The table has columns for "Descripción", "Tiempo de ...", and "Longitud Re...". Assets include "Nuevo Segmento" (multiple instances) and "Mus00001". A "COMMAND" button is visible at the bottom.
- CG #1 (Top Right):** A window titled "CG #1" showing a "Propiedades" panel with a table of items. The table has columns for "Nombre" and "Tipo". Items include "logo24bottom_hd" (Animación ...), "news2_bg_hd" (Imagen), "News Text 2" (Texto), "News Text 1" (Texto), and "news2fundido_bg_hd" (Imagen). A "Mostrar Cuadro de Texto" checkbox is checked.
- Ingest Playout (Bottom Right):** A window titled "Transport #1" showing a "RECORDING" status. It features a video preview window displaying a basketball player in mid-air. Below the preview is a "STOP" button and a set of transport controls (play, stop, fast forward, fast reverse). The "Title" field contains "CH 1 4/6/2016 1:43:00 PM" and the "Category" is set to "\Storage 1\New Recordings".

At the bottom of the interface, there is a status bar showing "Live: 525i NTSC/30 / Out: 525i", "ID: 44281", "00:00:30:06 / 00:00:30:06", "78% Libre, 106,51 GB", and "In: 525i NTSC/30 / Out: 525i NTSC/30".

Programming

Time	Description	Length
08:00:00...	Music	00:15:22:13
09:00:00...	Commercials	00:02:02:10
10:00:00...	Movies	00:08:24:00
11:00:00...	Commercials	00:02:02:10
13:00:00...	Music	00:15:22:13

Library

Description	Code	P
Teenage Mutant Ninja Turtles	Teenage Mutant Nin00	
Star Wars Ep 7	Star Wars Ep 7	00
MADRE EP50 P5	MADRE EP50 P5	00
Captain America - Civil War	Captain America - C00	
1080i30M - Pharrell & Nile Rodg	1080i30M - Pharrell (00	

Playlist Offline

Playlist Drag & Drop

Playout

Descripción	Tiempo de ...	Longitud Re..
Nuevo Segmento	08:00:00:00	00:15:22:16
Nuevo Segmento	09:00:00:00	00:02:01:17
Nuevo Segmento	10:00:00:00	00:08:52:09
Nuevo Segmento	11:00:00:00	00:02:01:17
Nuevo Segmento	13:00:00:00	00:15:22:16
Mus00001	13:04:40:22	00:03:39:21
Load Hardata Music Template (HD)	13:04:43:22	
Fade Out Project	13:08:15:04	
Mus00000	13:08:20:04	00:04:08:12

Playout

The screenshot displays a video playout control interface. On the left, a video preview window shows a scene with several people. Below the preview, a timeline for 'Mus00001' is visible, with a current time of 00:15:00:17 and a total length of 00:15:22:16. The word 'PLAYING' is shown in blue. Below the timeline are playback controls including play, stop, and various speed buttons.

The main area on the right is a table of segments and clips. The table has columns for 'Descripción', 'Tiempo de ...', and 'Longitud Re..'. The first five rows are 'Nuevo Segmento' entries with start times from 08:00:00:00 to 13:00:00:00. The sixth row is a red 'Mus00001' clip starting at 13:04:40:22. Below this are 'Secondary Events' including 'Load Harddata Music Template (HD)', 'Fade Out Project', and another 'Mus00000' clip.

Descripción	Tiempo de ...	Longitud Re..
Nuevo Segmento	08:00:00:00	00:15:22:16
Nuevo Segmento	09:00:00:00	00:02:01:17
Nuevo Segmento	10:00:00:00	00:08:52:09
Nuevo Segmento	11:00:00:00	00:02:01:17
Nuevo Segmento	13:00:00:00	00:15:22:16
Mus00001 Mus00001 00:03:39:21	13:04:40:22	00:03:39:21
Load Harddata Music Template (HD) Com00037	13:04:43:22	
Fade Out Project Com00031	13:08:15:04	
Mus00000 Mus00000	13:08:20:04	00:04:08:12

Segments

Clips

Secondary Events

Playback

The Playback control panel displays a playlist with the following items:

Descripción	Tiempo de ...	Longitud Re..
08:00:00:00 Nuevo Segmento	08:00:00:00	00:15:22:16
09:00:00:00 Nuevo Segmento	09:00:00:00	00:02:01:17
10:00:00:00 Nuevo Segmento	10:00:00:00	00:08:52:09
11:00:00:00 Nuevo Segmento	11:00:00:00	00:02:01:17
13:00:00:00 Nuevo Segmento	13:00:00:00	00:15:22:16
Mus00001	13:04:40:22	00:03:39:21
Mus00001	00:03:39:21	
Load Harddata Music Template (HD)	13:04:43:22	
Com00037		
Fade Out Project	13:08:15:04	
Com00031		
Mus00000	13:08:20:04	00:04:08:12
Mus00000		

Current playback time: 00:15:00:17 (00:15:22:16). Status: PLAYING.

Graphics

The Graphics control panel shows a list of items:

Nombre	Tipo
logo24bottom_hd	Animación
news2_bg_hd	Imagen
News Text 2	Texto
News Text 1	Texto
news2fundido_bg_hd	Imagen

The preview window displays a news graphic with the text: "LATEST NEWS", "24 NEWS", "WORLD NEWS SUMMARY", "WATCH THE LATEST NEWS FROM 24 NEWS", "TRY FROM 24 WORLD NEWS. INTERNATIONAL NEWS UPDATED 24 HOURS A DAY. WATCH THE LATEST NEWS SUMMARY FROM 24 WORLD NEWS. INTERNATIONAL NEWS UPDATED 24 HOURS A DAY. WATCH".

Automated Graphics

Manual Graphics

Crawl

The Harddata TV control panel displays a detailed playlist with the following items:

Tempo	Descripción	Longitud	Tempo de ...	Dispositivo	Longitud	ID del Material	Código	Categoría
08:00:00	Music	00:13:38:05	08:00:00 a.m.	Music	08:00:00 a.m.	00:13:38:05		
09:00:00	Commerciab	00:04:49:40	09:00:00 a.m.	Commerciab	09:00:00 a.m.	00:04:49:40		
10:00:00	Movies	00:08:22:29	10:00:00 a.m.	Movies	10:00:00 a.m.	00:08:22:29		
11:00:00	Commerciab	00:04:49:40	11:00:00 a.m.	Commerciab	11:00:00 a.m.	00:04:49:40		
01:00:00 p.m.	Music	00:13:38:05	01:00:00 p.m.	Music	01:00:00 p.m.	00:13:38:05		
08:25:50 a.m.	Main Fullscreen	00:03:30:01	08:25:50 a.m.	Main Fullscreen	00:03:30:01	2115611	Mus00001	Music Clips
08:29:29 a.m.	Main Fullscreen	00:02:50:26	08:29:29 a.m.	Main Fullscreen	00:02:50:26	2085611	Mus00000	Music Clips
08:32:11 a.m.	Main Fullscreen	00:03:18:11	08:32:11 a.m.	Main Fullscreen	00:03:18:11	2145611	Mus00002	Music Clips
08:35:29 a.m.	Main Fullscreen	00:03:58:24	08:35:29 a.m.	Main Fullscreen	00:03:58:24	2175611	Mus00003	Music Clips

The Character Generator shows a list of items:

Nombre	Tipo
Background	Imagen
Logo	Animación Flash
Headline	Texto
Hour	Hora
Sports	Texto
Full	Animación Flash





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SMART SOLUTIONS