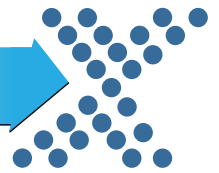


# DVP504-Pro, the Hybrid Video Processor

All-in-One Solution for 4K60 RGB and YUV 4:4:4, 4:2:2 signals



- ✓ Integrated video processor, scaling matrix, routing matrix sections
- ✓ Modular chassis to serve 4x4 to 32x16 configurations
- ✓ Hierarchically assigned operators and rights
- ✓ 4K60 RGB or YUV 4:4:4, 4:2:2 signal handling

**4K**<sup>60</sup>  
ULTRAHD



## System Characteristics

The DVP504-Pro name - as a new class in the AV industry - covers hybrid video processors that can satisfy all rendering requirements of an AV project, an office department, a building or even a factory. This unprecedented 3-in-1 solution integrates video processor, presentation matrix and routing matrix into a single chassis.

- **The video processor** drives video walls with real time display of input signals. Video windows in any output position over the video wall with PIP2/PIP4 display
- **The presentation matrix** offers scaling, seamless switching, cross fade switching and PIP rendering
- **The routing matrix** performs signal conversion and matrix switching from any input to multiple outputs

DVP504-Pro introduces the new concept of section. Each of the sections may have assigned input signals to handle, outputs to control and users with different access rights. The hierarchical user right system ensures user access and control to selected sections only. The world class DVP504-Pro modular devices are built up using 32x16 chassis. They process 4-32 input and 4-16 output signals of 4K60 RGB and YUV 4:4:4 and 4:2:2 formats. HDMI, DVI, RGB, analogue video, SDI, direct HDBaseT signals are handled with full HDCP protection. DVP504-Pro offers local or network based, remote HTML5 compliant, intelligent control system with live preview of any signals.

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# Main Features

## Input Boards

- HDMI 4K input board
- 8-ch HDMI 4K input board
- HDBaseT 4K input board
- Universal input board
- DVI input board
- SDI input board
- Composite video board



## PIP2 Matrix / Video Processor Output Boards

- HDMI 4K output board
- HDBaseT 4K output board



## PIP4 Video Processor Output Boards

- PIP4 HDMI/HDBaseT board



## Application



## Input Signal Specification

- **Digital HDMI**  
HDMI 2.0 and HDCP 2.2 specifications  
640x480 to 4096x2160 60Hz RGB format  
640x480 to 4K60 YUV 4:4:4, 4:2:2, 4:2:0
- **Digital DVI**  
DVI 1.0  
from 640x480 to 1920x1200
- **RGB, VSYNC, HSYNC**  
from 640x480 to 1920x1200
- **Component video, YPbPr**  
576i, 576p, 480i, 480p, 720p, 1080i, 1080p
- **S-video, Composite video**  
PAL, NTSC, SECAM
- **SDI**  
3GSDI, HD-SDI, SDI
- **HDBaseT**  
up to 100m (330 feet)  
from 640x480 to 4096x2160 30Hz

## Output Signal Specification

- **Digital HDMI**  
HDMI 2.0 and HDCP 2.2 specifications  
640x480 to 4096x2160 60Hz RGB format  
640x480 to 4K60 YUV 4:4:4, 4:2:2
- **HDBaseT**  
from 640x480 to 4096x2160 30Hz

## General

- LCD, push button front panel control
- RS-232 and TCP/IP remote control
- Optional redundant power supply
- Dimensions: 483 x 178 x 526 (mm)
- 19" rack-mountable enclosure

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