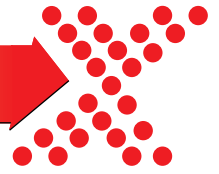


DVP500x-7U Hybrid Video Processor

All-in-One Solution for 4K60 4:2:0 input, 4:4:4 output signals



- ✓ Integrated video processor, scaling matrix, routing matrix sections
- ✓ 7RU high chassis to serve 4x1 to 32x32 configurations
- ✓ Hierarchically assigned operators and rights
- ✓ 4K60 4:2:0 input, 4K60 4:4:4 output signals



System Characteristics

The DVP500x-7U 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/PIP8 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

DVP500x-7U 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 DVP500x-7U modular devices are built up using 32x32 chassis. They process 4-32 input and 1-32 output signals of 4K60 4:2:0 input and 4K60 4:4:4 output formats. HDMI, DVI, RGB, analogue video, SDI, direct HDBaseT signals are handled with full HDCP protection. DVP500x-7U 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 4K60 input board 
- HDBaseT 4K input board 
- Universal input board 
- SDI input board 
- Composite video board 

PIP2 Matrix / Video Processor Output Boards

- HDMI 4K60 output board 
- HDBaseT 4K output board 

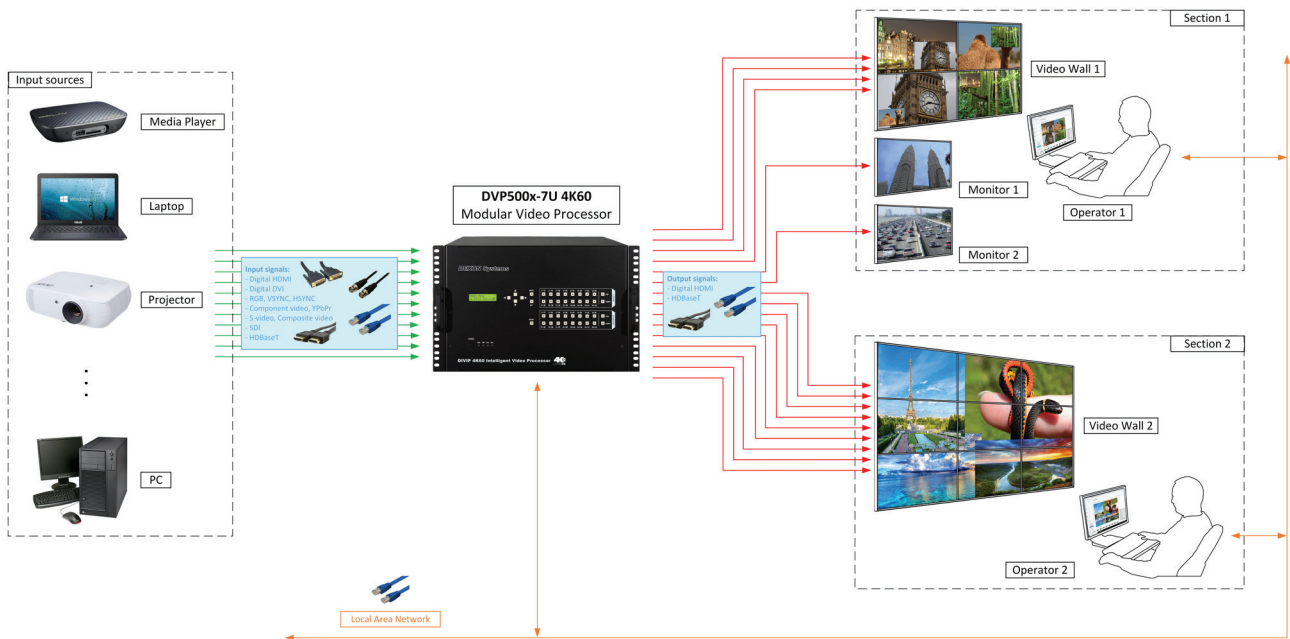
PIP4 Video Processor Output Boards

- HDMI/HDBaseT 4K60 board 

PIP8 Video Processor Output Boards

- HDMI/HDBaseT 4K60 board 

Application



Input Signal Specification

- **Digital HDMI**
HDMI 2.0 and HDCP 2.2 specifications
640x480 to 4096x2160 30Hz RGB format
640x480 to 4096x2160 60Hz YUV 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 60Hz 4:2:0

General

- LCD, push button front panel control
- RS-232 and TCP/IP remote control
- Optional redundant power supply
- 19" rack-mountable enclosure

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