

Custom Technical Specification Sheet (Datasheet)

UVP-PRO



Product Overview

The **UVP-PRO** Video Processor is an all-in-one, high-performance controller designed for seamless video wall and large-scale display management. It features a superior processing capacity of ≤ 2.65 million pixels and a robust interface supporting a wide range of analog and digital inputs, making it ideal for command centers, broadcast, and complex AV environments.

Key Features

- ▮ **Maximum Capacity:** 2.65 million pixels
- ▮ **Resolutions** 640×480-1920×1080 480i/p. 576i/p. 720p. 1080i/p 2304x1152 1024 x 768 - 60 Hz 1920 x 1080 - 60 Hz 2304 x 1152- 60 Hz 1280 x 720 - 60 Hz 1920 x 1200 - 60 Hz 2560 x 816 - 60 Hz 1440 x 900 - 60 Hz 1024 x 1280 - 60 Hz 1024 x 1920 - 60 Hz 1280 x 1024 - 60 Hz 1536 x 1536 - 60 Hz 3840 x 640 - 60 Hz 1600 x 1200 - 60 Hz 2048 x 640 - 60 Hz 1680 x 1050 - 60 Hz 2048x1152 - 60 Hz
- ▮ **Versatile Connectivity:** all-in-one design with native support for 2 HDMI, 1 DVI, 2 VGA, 2 AV, and 1 SDI (with Loop Out), 1 DP: HD 1080P, 1920x1080 a 60 Hz .(with accessories)
- ▮ **Output:** Integrated sending card with 4 Gigabit Ethernet ports for direct LED screen management.
- ▮ **Presets:** Supports up to 4 configurable working modes/presets.

Technical Specifications

<u>Category</u>	<u>Specification</u>
Model	UVP-PRO
Max Capacity	2,650,000 pixels
Output Ports	4 Gigabit Ethernet Ports (RJ45)
Storage/Playback	Direct Playback via USB Port (USB)
Presets	4 Configurable Presets Modes
Control	Buttons, Control via USB and Ethernet (LAN)
Suppression	Point to Point

Input Details

<u>Port Type</u>	<u>Configuration</u>	<u>Max Supported Resolution</u>
HDMI	2 x HDMI 1.3	1920x1200 @ 60Hz
DVI	1 x DVI (Dual Link Capable)	1920x1200 @ 60Hz
VGA	2 x VGA (DB15)	1920x1200 @ 60Hz
AV	2 x AV (Composite Video, BNC)	576i, 480i (NTSC/PALL-M/N. SECAM)
DP	1 DP X HD 1080P	1920x1080 @ 60 Hz

Physical Installation (Hardware)

The **UVP-PRO** is designed for high-density environments, utilizing a standard 1U rack space.

- **Rack Mounting:** Secure the processor chassis onto the equipment rack using the provided mounting hardware.
- **Power Supply:** Connect the power cable to the unit's universal voltage supply (100-240V AC).

- **Screen Outputs:** Connect the **4 Gigabit Ethernet (RJ45) output ports** to the display system's receiving cards, referencing the display layout diagram.
- Adaptors and accessories must be needed. Included
- Flight case included.

Video Source Connection

The processor's comprehensive interface allows for flexible connection of diverse sources:

Connection Point	Functionality
Analog Inputs	Use the 2 BNC (AV) and 2 VGA ports for legacy or standard definition sources.
Digital Inputs	Utilize the 2 DVI and 2 HDMI ports for high definition computer and multimedia signals.
Broadcast Input	The SDI ports are reserved for professional broadcast equipment, supporting signal monitoring via the Loop Out function.

Configuration and Operation

The system is configured via the front panel controls (Knob and Menu) or external PC software via USB/LAN.

- **Output Setup:** Configure the custom output resolution to match the physical pixel dimensions of the connected LED wall.
- **Presets Management:** The system facilitates the storage and fast retrieval of up to **4 configurable Preset Modes**. Use this function to save frequently used layouts, window positions (PiP/PoP), and color adjustments.
- **Menu bar:** In the menu bar, the knob can select menu items and adjust parameters and ESC returns.
- **Quick access:** Dedicated buttons on the control panel allow for frame zoom, one-touch black screen, and freeze mode, as well as save and recall.