Custom Technical Specification Sheet (Datasheet)

UVP-COMPLIANCE PLUS

Product Overview

The **UVP-COMPLIANCE PLUS** 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 **5.0 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:** 5.0 million pixels (2560 x 2000 @ 60Hz).
- **Versatile Connectivity:** All-in-One design with native support for 2 HDMI, 2 DVI, 2 VGA, 2 AV, and 1 SDI (with Loop-Out).
- **Output:** Integrated sending card with 4 Gigabit Ethernet ports for direct LED screen management.
- **Advanced Processing:** 10+ Bit color conversion, high-quality scaling, and PiP/PoP functionality.
- **Presets:** Supports up to 10 configurable working modes/presets.
- **Design:** Standard 1U rack-mount chassis.

Technical Specifications

Category	Specification
Model	UVP-COMPLIANCE PLUS
Max Capacity	5,000,000 pixels
Output Ports	4 Gigabit Ethernet Ports (RJ45)
Storage/Playback	Direct Playback via USB Port (USB-A)
Presets	10 Configurable Presets Modes
Control	Knob, Buttons, Control via USB and Ethernet (LAN)
Dimensions (Rack)	1U (482mm x 250mm x 44mm)
Synchronization	Support for external Genlock

Input Details

Port Type	Configuration	Max Supported Resolution
HDMI	2 x HDMI 1.3	1920x1200 @ 60Hz
DVI	2 x DVI (Dual Link Capable)	1920x1200 @ 60Hz
VGA	2 x VGA (DB15)	1920x1200 @ 60Hz
AV	2 x AV (Composite Video, BNC)	576i, 480i (NTSC/PAL/SECAM)
SDI	1 x 3G-SDI (BNC IN/OUT Loop)	1920x1080 @ 60Hz
Total Inputs	9 Dedicated Ports	

Physical Installation (Hardware)

The **UVP-COMPLIANCE PLUS** 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.

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 3G-SDI port is 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 **10 configurable Preset Modes**. Use this function to save frequently used layouts, window positions (PiP/PoP), and color adjustments.
- **Quick Access:** Dedicated buttons on the control panel allow for single-key operations such as **Freeze Frame** and **Black Screen**.