

# Physical Specifications

## Dimensions (with handles, rack ears & rack mount)

482.6 mm × 50.5 mm × 295.5 mm  
Please refer to the dimension diagram for more details.

## Product Net Weight (without accessories)

4.65 kg / 10.25 lbs

## Shipping Weight (accessories included)

7.70 kg / 16.98 lbs

## Electrical Parameters

Power connector: AC100 V-240 V 50/60 Hz  
Power consumption: 55 W

## Noise on Average (@1, 0.75m height)

Front: 45 dB  
Rear: 45 dB

## Operating Conditions

Operating Temperature: 0°C to 50°C  
Storage Temperature: -10°C to +60°C  
Humidity: 0% RH to 85% RH, non-condensing

## Safety Compliance

CE FC IC CB

## Packing Information

- 1x Mini DP to DP Cable
- 1x DP Cable
- 1x DVI Cable
- 1x HDMI to DVI Cable
- 1x HDMI Cable
- 1x USB Cable
- 4x Power Cords
- 1x Quick Start Guide
- 1x Certificate of Approval

### Note:

Specifications subject to change without prior notice.

4K ViewPro\_EN-2024-06-24

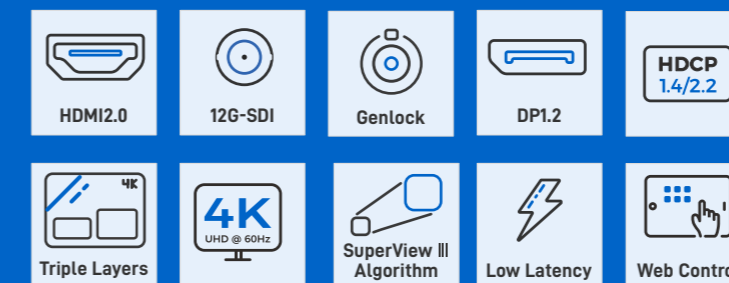
# 4K ViewPro

## Real 4K Video Processor

Experience unparalleled performance with the 4K ViewPro, a cutting-edge real 4K video processor designed to exceed your expectations. With an astonishingly low latency of just 1 frame and support for 4K×2K@60Hz video input and output, the 4K ViewPro delivers a seamless and immersive image processing experience like no other.

Built with a robust FPGA system architecture and a high-performance Scalar core, the 4K ViewPro guarantees uncompromising performance and reliability. Its ultra-low latency ensures that you never miss a beat, providing instant and responsive video processing for flawless displays.

With multiple Ultra HD real 4K×2K@60Hz inputs and outputs, it offers unmatched scalability, seamless switching, and efficient signal conversion. Whether you're in high-end rental, stage control, fine pitch LED displays, or broadcasting, the 4K ViewPro is the ultimate solution for your visual needs.





# FEATURES



## High Performance

The 4K ViewPro is a superior true 4K scaler, converter, and switcher designed to excel in live events, stage shows, and broadcasting scenarios. Powered by PIXELHUE's unique SuperView image processing engine, the 4K ViewPro offers unparalleled quality and performance, setting a new standard in the industry.

The 4K ViewPro can effortlessly handle any signals up to 4K@60Hz 4:4:4 10-bit, delivering the highest quality visuals with minimal latency (as low as 1 frame in appropriate configuration).

As a professional converter, the 4K ViewPro empowers you to seamlessly convert any input signals to a wide range of output formats, supporting HDMI 2.0, DisplayPort 1.2, and 12G-SDI.

With three layers, including one main layer and two PIPs (Picture-in-Picture), along with a still background and logo support, the 4K ViewPro caters to all your visual needs for live events, stage shows, and broadcasting. Prepare to captivate your audience with stunning visuals and create a truly extraordinary visual experience.

## User-Friendly Control

In addition to its intuitive front panel, the 4K ViewPro also offers an elaborated user-friendly web control interface, allowing you to conveniently and comprehensively manage the 4K ViewPro using just a browser. Just say goodbye to complex installations and enjoy hassle-free control.

## High Reliability

The 4K ViewPro is built to run all day without a hitch. Assembled and tested for extreme use and abuse, it has passed 35 rigorous tests that include dropping, shocking, vibration, and thermal tests to ensure it can survive in any road trips or event environments, giving you all the confidence you need to execute your shows.

## Key Features

- True 4K60p 4:4:4 10-bit video processing
- Superb motion adaptive de-interlacing (MADI) processing
- High-performance new generation SuperView scaler
- Picture in Picture (2 PIPs)
- Still BKG and LOGO management
- Adjustable layer mask, flipping, cropping
- Up to 16 presets
- Strobe function with user-defined duration
- EDID management for all input connectors except SDI
- Support for VESA/CVT and user timings
- Input backup for higher reliability
- Web GUI control
- AOI function
- Input sync with Genlock. Genlock accepts bi-level or tri-level signals
- Flexible output connector rotation (multiples of 90°) for diversified visuals
- Rich test patterns for quick check of display defects
- Interlaced output supported

# Technical Specifications

## Inputs

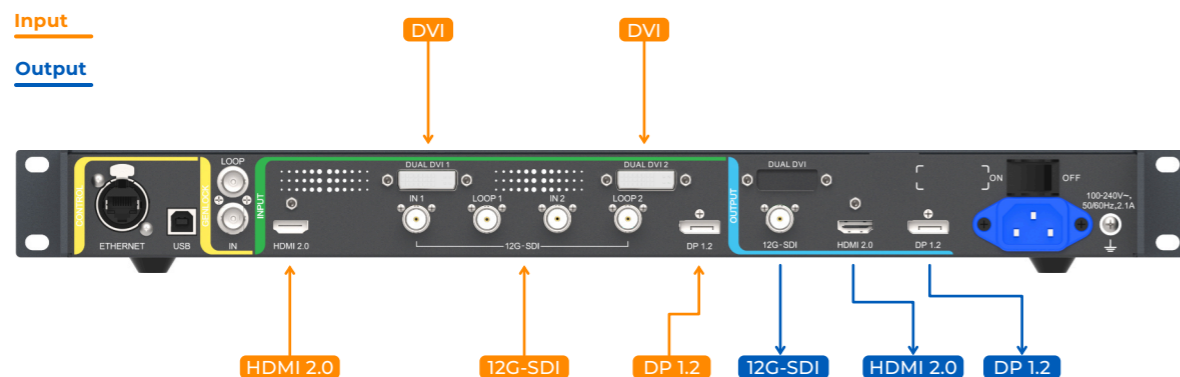
12G-SDI	2	<ul style="list-style-type: none"> <li>Up to 4K×2K@60Hz 4:2:2 10-bit</li> <li>Max. resolution: 3840×2160@60Hz</li> <li>Level A &amp; B</li> <li>Support for ST-2082-1 (12G), ST-2081-1 (6G), ST-424 (3G), ST-292 (HD) and SMPTE 259 (SD)</li> <li>Common resolutions               <ul style="list-style-type: none"> <li>1920×1080@50/59.94/60Hz</li> <li>1920×1080@30/50/59.94/60Hz</li> <li>3840×2160@30/50/59.94/60Hz</li> </ul> </li> </ul>	DP 1.2	1	<ul style="list-style-type: none"> <li>Up to 4K×2K@60Hz 4:4:4 10-bit</li> <li>Max. resolution: 4096×2160@60Hz</li> <li>HDCP 1.3 compliant</li> <li>Backward compatible with DP 1.1</li> <li>EDID management for VESA, and CVT compliant user timings</li> <li>Common resolutions               <ul style="list-style-type: none"> <li>3840×1080@30/50/59.94/60Hz</li> <li>1920×1080@30/48/50/59.94/60Hz</li> <li>3840×2160@30/60Hz</li> </ul> </li> </ul>
12G-SDI LOOP	2	<ul style="list-style-type: none"> <li>Re-driven 12G SDI loop-through output</li> <li>Max. resolution: 3840×2160@60Hz</li> </ul>	Dual DVI	2	<ul style="list-style-type: none"> <li>Up to 4K×2K@30Hz, clock frequency up to 165 MHz in single-link mode, 300 MHz in dual-link mode</li> <li>Max. resolution: 3840×2160@30Hz</li> <li>HDCP 1.4 compliant</li> <li>EDID management for VESA, and CVT compliant user timings</li> <li>Common resolutions               <ul style="list-style-type: none"> <li>3840×1080@30/50/59.94/60Hz</li> <li>1920×1080@30/48/50/59.94/60Hz</li> </ul> </li> </ul>
HDMI 2.0	1	<ul style="list-style-type: none"> <li>Up to 4K×2K@60Hz 4:4:4 8-bit</li> <li>Max. resolution: 4096×2160@60Hz</li> <li>HDCP 2.2 compliant</li> <li>Backward compatible with HDMI 1.4 and HDMI 1.3</li> <li>EDID management for VESA, and CVT compliant user timings</li> <li>Common resolutions               <ul style="list-style-type: none"> <li>3840×1080@30/50/59.94/60Hz</li> <li>1920×1080@30/48/50/59.94/60Hz</li> <li>3840×2160@30/60Hz</li> </ul> </li> </ul>			

## Outputs

HDMI 2.0	1	<ul style="list-style-type: none"> <li>Up to 4K×2K@60Hz 4:4:4 8-bit</li> <li>Max. width: 8192 pixels</li> <li>Max. height: 4096 pixels</li> <li>Support for VESA and CVT and user timings</li> <li>Backward compatible with HDMI 1.4 and HDMI 1.3</li> </ul>
DP 1.2	1	<ul style="list-style-type: none"> <li>Up to 4K×2K@60Hz 4:4:4 10-bit</li> <li>Max. width: 8192 pixels</li> <li>Max. height: 4096 pixels</li> <li>Backward compatible with DP 1.1</li> <li>Support for VESA and CVT and user timings</li> </ul>
12G-SDI	1	<ul style="list-style-type: none"> <li>Up to 4K×2K@60Hz 4:2:2 10-bit</li> <li>Max. width: 3840 pixels</li> <li>Max. height: 2160pixels</li> <li>Level A</li> <li>Support for ST-2082-1 (12G), ST-2081-1 (6G), ST-424 (3G), ST-292 (HD) and SMPTE 259 (SD)</li> </ul>

## Real 4K

Support resolutions up to 4096×2160@60Hz with mainstream 4K connectors



## Dimensions

