

4K MULTI-FORMAT MATRIX VIEWER

SKU: APOLLO-4K



The SY Apollo 4K is an advanced HD/UHD Multi-format Matrix Viewer, designed for handling and control of multiple video signals from 480i to 1920 x 1200 WUXGA HD video sources including 1080P and to be displayed in full-screen, dual-view, tri-view and quad-view on a HD or 4K UHD display. Most common analogue, digital video and audio inputs are supported as signal sources including AV (composite video), YPbPr (component), VGA and HDMI.

The Apollo 4K supports three main modes of operation:

1. 4K UHD Quad Video Processor
2. Full HD Multi-View Video Processor
3. Seamless 4:2 Matrix Switcher

The Apollo 4Ks powerful graphic engine enables the three modes of operation to allow multiple combinations of use.

For example:

Output 1	Output 2
4K Quad Split	4K Quad Split
2K Quad Split	4K Quad Split
4K Quad Split	Single Switched Source
2K Quad Split	2K Quad Split
2K Quad Split	Single Switched Source
Single Switched	Source 4K Quad Split
Single Switched	Source Single Switched Source
Multi-View	Multi-View

As a multi-format seamless matrix the Apollo 4K will switch seamlessly between any of the 4 input groups with each group having a preset input. Switching between any of the non preset inputs will not be seamless and the Apollo 4K will be a 16 x 2 multi-format presentation matrix switcher. With the Apollo 4K in 4K UHD Quad mode, the HDMI output will include 4 x full HD signals that will be visible at the 4K display and each of the four full HD signals is presented pixel for pixel on the 4K UHD display without any down scaling or degradation. For more advanced applications the Apollo 4K can be easily cascaded and its control daisy-chained to create large and easy to control seamless switching or Multi-View system environments of almost any size. The Apollo 4K is fitted with two HDMI output ports for showing the Multi-View image on two independently controllable HD/UHD channels simultaneously.

The Apollo 4K is a powerful Video Graphics Processor in a 1U Rack-mount chassis, with low power consumption of less than 20W. Each Multi-view window parameter is completely customizable including layer priority, window positions, window size, background transparency, border colour and border pixel width.

Specifications:

HDMI Version 1.4/DVI

HDCP Compliant

EDID Management

Input - 4 HDMI, 4 YPbPr, 4 AV, 4 VGA

Video - Output 2 HDMI

Audio - Output 2 S/PDIF

Control - Front panel button, IR or RS232

Power Consumption (max.) 20 Watts

Dimension (mm) L440 x W256 x H42 mm

Weight 2.85Kg