Picturall Mark II

MEDIAS SERVERS
Picturall Mark II media servers

The **Picturall Mark II** series is an extensive range of heavy-duty media servers designed to play huge video content across large video canvases, while providing ease-of-use and rock-solid reliability at affordable prices.
OUTSTANDING PLAYBACK PERFORMANCE

The Picturall Mark II media servers deliver industry-leading performance so that your show runs like clockwork. With flexible live input options, the ability to drive up to 16 LED wall 4K@60 controllers or video projectors from a single server unit and enough power to play media up to 16K resolution or uncompressed file sequences up to 8K60 10-bit, the Picturall Mark II series is the obvious solution to any demanding video playback need in fixed installations, museums, broadcast, houses of worship, video rentals and live events.

ROCK-SOLID RELIABILITY

Built on Analog Way’s long experience in ruggedized low-maintenance hardware, the Picturall Mark II media servers have been designed to provide a robust, heavy-duty platform and deliver optimized uptimes and durability for any mission-critical applications. In order to avoid any downtime during preventive maintenance, the chassis offers easy access to front fans and filter for swift cleaning. Additionally, the Picturall Mark II media servers are based on the rock-solid Linux software engine by Picturall renowned for its extreme reliability, which is a result of 15 years of R&D development and field experience.
POWERFUL FEATURES

The Picturall Mark II media servers offer all the tools you need to creatively integrate the solution that your customer has envisioned. Features like automatic show start, custom resolutions and virtual displays, parallel cue lists, cue tracking, timecode-based cue triggering, cue scheduling, real-time effects, dynamics HTML graphics, crossfades between clips as well as multi-user control, give you flexibility in programming and control. In addition, Vioso™ camera calibration tools can be used to create playback canvas of various shapes, from curves to a dome.

FLEXIBLE SETUP AND CONTROL

The Picturall Commander software is an intuitive, elegant and powerful user interface to configure and control the Picturall Mark II media servers. All the servers offer IP (Ethernet) and Art-Net interface, which enables easy integration with many third-party control systems. The Picturall Mark II media servers are also compatible with various remote control software such as Universe or Companion.
ADVANCED MEDIA PROCESSING

The **Picturall Mark II** media servers have been designed to offer the best image quality and to process a wide variety of network streams and media including:

- AWX, AWX HQ AND AWX ALPHA (proprietary high-performance codec with unlimited media width and height)
- HAP, HAP-Q, HAP ALPHA AND HAP-Q ALPHA
- APPLE™ PRORES (any version including ProRes 4444)
- NOTCHLC™
- MPEG1, MPEG2, MPEG4, MJPEG
- H.264, H.265 (INCLUDING NETWORK STREAMS)
- NEWTEK™ NDI V5.0 live video streaming (input/output)
- SPX for titles, countdowns, and other animated HTML graphics
- JPG, TGA, TIFF, BMP, GIF, PNG with ALPHA CHANNEL
- Uncompressed image sequences (TGA, DPX, BMP)

EXTENSIVE INPUT OPTIONS

Depending on the selected chassis size, the **Picturall Mark II** media servers can be equipped with up to six low-latency input cards allowing to capture either 24x 1080p60 or 6x 2160p60 sources. A wide selection of input interfaces is available, supporting one or more channels of 3G-SDI, HDMI 1.4 or HDMI 2.0, and offering professional connectivity for even greater reliability. The **Picturall Mark II** media servers can also receive several network video streams (RTSP, RTMP, SRT and UDP) and are compatible with Newtek™ NDI live video streaming (input and output). They can also display HTML-based web content with full Java script support.
**HIGH-PERFORMANCE STORAGE**

The *Picturall Mark II* media servers come standard with NVMe™ read-intensive professional drives (option for Twin Compact Mark II), offering consistent performance and reliability for demanding 24x7 environments. Built with PCIe® Gen4 x4 interface, the drives can deliver a read rate of up to 10.5 GB/s in RAID 0 configuration, which is ideal for the most demanding large-scale video playback applications. Depending on the servers, several storage options are available from 1TB up to 32TB, capable of storing several hours of high-quality uncompressed video content.

**FASTER NETWORKING**

The *Picturall Mark II* media servers offer high network bandwidth with two standard 10Gb/s Ethernet drives (option for Twin Compact Mark II) for faster transmission of massive media files and for more networked video streams (NDI, RTSP, RTMP, SRT and UDP...). Two additional 1Gb/s ports and/or one additional 10Gb/s port can be optionally installed for even more flexibility with your network configuration.
MULTI-CHANNEL AUDIO PROCESSING

The Picturall Mark II media servers offer synchronized multi-channel audio playback and supports real-time audio de-embedding and routing from HDMI or SDI sources, network streams and web sources. The Picturall Mark II media servers feature several optional audio interfaces, including one with 2 balanced XLR inputs and 2 balanced XLR outputs, as well as a 32-channel Dante™ audio interface delivering instant access to any audio devices on the network. They are also compatible with a wide variety of 3rd party multi-channel USB interfaces.

COMPATIBLE WITH DPH104 IMAGE PROCESSOR

The Picturall Mark II media servers are compatible with Analog Way DPH104 image processor able to convert one 4K DisplayPort output to four 1080p HDMI outputs. For example, it is possible to drive up to 64 full HD outputs from a single Picturall Pro Mark II server equipped with 4 output cards or to drive 16 full HD outputs with a Picturall Quad Mark II.

<table>
<thead>
<tr>
<th></th>
<th>Picturall Pro Mark II</th>
<th>Picturall Quad Mark II</th>
<th>Picturall Quad Compact Mark II</th>
<th>Picturall Twin Compact Mark II</th>
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<tr>
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<td>1TB NVMe</td>
<td>480GB SSD</td>
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<td>Up to 32TB</td>
<td>Up to 8TB</td>
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<td>Uncompressed playback up to</td>
<td>8K@60Hz</td>
<td>4K@60Hz</td>
<td>4K@60Hz</td>
<td>1080p@60Hz</td>
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<tr>
<td>Playback AWX media up to</td>
<td>16K@60Hz</td>
<td>8K@60Hz</td>
<td>8K@60Hz</td>
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<td>Chassis</td>
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DP 1.2 Over Fiber Extender

DPH104

ACCESSORIES

AWX Plugin for Adobe CC
Picturall Pro Mark II
Ref. MSP16-MKII-R1

Mission critical 16K media server with up to sixteen 4K@60 10-bit outputs. Engineered for the support of massive events and installations from one single server unit

Picturall Pro Mark II at a glance:

- Modular design with extensive I/O capability
- Heavy-duty ruggedized 4RU chassis
- Up to 16x 4K@60Hz 10-bit outputs
- Up to 24 inputs (HDMI 1.4, HDMI 2.0, 3G-SDI)
- Uncompromised playback performance up to 16K@60Hz with AWX codec
- Uncompressed playback up to 8K@60Hz 10-bit
- Flexible integration with 3rd party control systems
- Rock-solid media server Linux software engine
- 3-year standard warranty
### KEY FEATURES:

- Runs on custom and optimized Linux operating system
- Designed for mission critical 24/7 applications
- Up to 16x 4K@60Hz 10-bit outputs in one chassis
- Up to 24 inputs (HDMI 1.4, HDMI 2.0, 3G-SDI) with Neutrik connectors
- Pixel accurate synchronization between all outputs
- Custom output resolutions and virtual display feature for LED walls
- Programmable outputs and layers positioning, rotation, color correction, warping and blending
- Soft-edge blending of multiple projectors
- EDID support
- Unlimited media width and height with AWX codec (limited only by hardware performance)
- Uncompromised video playback performance: up to 18 layers of 4K@60Hz video or 6 layers of 8K@60Hz video or 1 layer of 16K@60Hz video (with AWX codec)
- NotchLC™ playback up to 8 layers of 4K@60Hz video or one layer of 8K@60Hz video
- Uncompressed playback up to 8K@60Hz 10-bit
- Apple™ ProRes authorized product
- Support for Vioso™ camera-based projection surface calibration
- Display and control animated lower thirds, countdowns, headlines, titles, and other animated graphics with SPX graphics overlays
- 2x 10Gb/s Ethernet
- Optional 32-channel Dante™ audio interface
- HTML browser input for layers
- Support for Newtek™ NDI (version 5) live video streaming (input/output)
- Support for RTSP, RTMP, SRT and UDP network streams
- 36 real-time effects including comprehensive keying options
- Flexible integration with 3rd party control systems

### Use the included Picturall commander software for complete control of your event

- Flexible cue-based show programming with cue tracking feature
- Supports external LTC / MTC signal controlled cue triggering
- Supports server internal timecode formats: system wallclock, timecode generator, media playback
- Supports scheduling for single and repeating events based on time and date
- Support for single-layer crossfades on every layer
- Automatic show start on boot
- Multi-user control
- Optional redundant, hot-swappable power supplies
- Ruggedized, rack mountable 4RU chassis
- Easy access to front fans and filter for swift cleaning
- 3-year standard warranty, extendable to 5 years
Picturall Quad Mark II
Ref. MSQ04-MKII-R1

Heavy-duty 8K media server with four 4K@60 10-bit outputs. Designed for large scale events and installations requiring high levels of performance and stability

Picturall Quad Mark II at a glance:

- Heavy-duty ruggedized 4RU chassis
- Four 4K@60Hz 10-bit outputs
- Up to 24 inputs (HDMI 1.4, HDMI 2.0, 3G-SDI)
- 8K@60Hz playback performance with AWX codec
- Uncompressed playback up to 4K@60Hz 10-bit
- Flexible integration with 3rd party control systems
- Rock-solid media server Linux software engine
- 3-year standard warranty
**KEY FEATURES:**

- Runs on custom and optimized Linux operating system
- Four 4K@60Hz 10-bit outputs
- Up to 24 inputs (HDMI 1.4, HDMI 2.0, 3G-SDI) with Neutrik connectors
- Pixel accurate synchronization between all outputs
- Custom output resolutions and virtual display feature for LED walls
- Programmable outputs and layers positioning, rotation, color correction, warping, blending and more...
- Soft-edge blending of multiple projectors
- EDID support
- Unlimited media width and height with AWX codec (limited only by hardware performance)
- High video playback performance: playback up to 38 layers of 1080p@60Hz video or 10 layers of 4K@60Hz video or 2 layers of 8K@60 video (with AWX codec and the 2 NVME drive option in RAID-0 configuration)
- Uncompressed playback up to 4K@60Hz 10-bit
- NotchLC™ playback up to 6 layers of 1080p@60Hz video or 2 layers of 4K@60Hz video
- Apple™ ProRes authorized product
- Support for Vioso™ camera-based projection surface calibration
- Display and control animated lower thirds, countdowns, headlines, titles, and other animated graphics with SPX graphics overlays
- 2x 10Gb/s Ethernet
- HTML browser input for layers
- Support for Newtek™ NDI (version 5) live video streaming (input/output)
- Support for RTSP, RTMP, SRT and UDP network streams
- 36 real-time effects including comprehensive keying options
- Use the included Picturall commander software for complete control of your event
- Flexible integration with 3rd party control systems

**Flexible cue-based show programming with cue tracking feature**

- Supports external LTC and MTC signal controlled cue triggering (external USB audio card required)
- Supports server internal timecode formats: system wallclock, timecode generator, media playback
- Supports scheduling for single and repeating events based on time and date
- Support for single-layer crossfades on every layer
- Automatic show start on boot
- Multi-user control
- Ruggedized, rack mountable 4RU chassis
- Easy access to front fans and filter for swift cleaning
- 3-year standard warranty, extendable to 5 years

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[Image of the back panel with labeled features and technical specifications]
Picturall Quad Compact Mark II
Ref. MSQC04-MKII-R1

Heavy-duty, compact 8K media server with four 4K@60 10-bit outputs. Designed for large scale events and installations requiring high levels of performance and stability

Picturall Quad Compact Mark II at a glance:

- Heavy-duty ruggedized compact 2RU chassis
- Four 4K@60Hz 10-bit outputs
- Up to 8 inputs (HDMI 1.4, HDMI 2.0, 3G-SDI)
- 8K@60Hz playback performance with AWX codec
- Uncompressed playback up to 4K@60Hz 10-bit
- Flexible integration with 3rd party control systems
- Rock-solid media server Linux software engine
- 3-year standard warranty
KEY FEATURES:

- Runs on custom and optimized Linux operating system
- Four 4K@60Hz 10-bit outputs
- Up to 8 inputs (HDMI 1.4, HDMI 2.0, 3G-SDI) with Neutrik connectors
- Pixel accurate synchronization between all outputs
- Custom output resolutions and virtual display feature for LED walls
- Programmable outputs and layers positioning, rotation, color correction, warping, blending and more...
- Soft-edge blending of multiple projectors
- EDID support
- Unlimited media width and height with AWX codec (limited only by hardware performance)
- High video playback performance: playback up to 38 layers of 1080p@60Hz video or 10 layers of 4K@60Hz video or 2 layers of 8K@60 video (with AWX codec and the 2 NVME drive option in RAID-0 configuration)
- Uncompressed playback up to 4K@60Hz 10-bit
- NotchLC™ playback up to 6 layers of 1080p@60Hz video or 2 layers of 4K@60Hz video
- Apple™ ProRes authorized product
- Support for Vioso™ camera-based projection surface calibration
- Display and control animated lower thirds, countdowns, headlines, titles, and other animated graphics with SPX graphics overlays
- 2x 10Gb/s Ethernet
- HTML browser input for layers
- Support for Newtek™ NDI (version 5) live video streaming (input/output)
- Support for RTSP, RTMP, SRT and UDP network streams
- 36 real-time effects including comprehensive keying options
- Use the included Picturall commander software for complete control of your event
- Flexible integration with 3rd party control systems

Flexible cue-based show programming with cue tracking feature
Supports external LTC and MTC signal controlled cue triggering (external USB audio card required)
Supports server internal timecode formats: system wallclock, timecode generator, media playback
Supports scheduling for single and repeating events based on time and date
Support for single-layer crossfades on every layer
Automatic show start on boot
Multi-user control
Ruggedized, compact rack mountable 2RU chassis
Easy access to front fans and filter for swift cleaning
3-year standard warranty, extendable to 5 years
Picturall Twin Compact Mark II
Ref. MSTC02-MKII-R1

Heavy-duty, compact dual-output 4K media server. Designed for medium-sized events and installations requiring high levels of performance and reliability

Picturall Twin Compact Mark II at a glance:
• Heavy-duty ruggedized compact 2RU chassis
• Two 4K@60Hz 10-bit outputs
• Up to 8 inputs (HDMI 1.4, HDMI 2.0, 3G-SDI)
• High video playback performance up to 4K with AWX codec
• Uncompressed playback up to 1080@60Hz 10-bit
• Flexible integration with 3rd party control systems
• Rock-solid media server Linux software engine
• 3-year standard warranty
**KEY FEATURES:**

- Runs on custom and optimized Linux operating system
- Two 4K@60Hz 10-bit outputs
- Up to 8 inputs (HDMI 1.4, HDMI 2.0, 3G-SDI) with Neutrik connectors
- Pixel accurate synchronization between the two outputs
- Custom output resolutions and virtual display feature for LED walls
- Programmable outputs and layers positioning, rotation, color correction, warping, blending and more...
- Soft-edge blending of multiple projectors
- EDID support
- Unlimited media width and height with AWX codec (limited only by hardware performance)
- High video playback performance: playback of up to 28 layers of 1080p@60Hz video or 6 layers of 4K@60Hz video (with AWX codec and NVME drive option)
- Uncompressed playback up to 1080@60Hz 10-bit
- NotchLC™ playback up to 4 layers of 1080p@60Hz video or 1 layer of 4K@60Hz video
- Apple™ ProRes authorized product
- Support for Vioso™ camera-based projection surface calibration
- Display and control animated lower thirds, countdowns, headlines, titles, and other animated graphics with SPX graphics overlays
- HTML browser input for layers
- Support for Newtek™ NDI (version 5) live video streaming (input/output)
- Support for RTSP, RTMP, SRT and UDP network streams
- 36 real-time effects including comprehensive keying options
- Use the included Picturall commander software for complete control of your event
- Flexible integration with 3rd party control system
- Flexible cue-based show programming with cue tracking feature
- Supports external LTC and MTC signal controlled cue triggering (external USB audio card required)
- Supports server internal timecode formats: system wallclock, timecode generator, media playback
- Supports scheduling for single and repeating events based on time and date
- Support for single-layer crossfades on every layer
- Automatic show start on boot
- Multi-user control
- Ruggedized, compact rack mountable 2RU chassis
- Easy access to front fans and filter for swift cleaning
- 3-year standard warranty, extendable to 5 years
DPH104 is a high-performance latency-free 4K image processor able to convert one 4K DisplayPort output from a LivePremier™ presentation system or a Picturall Mark II media server to four independent 1080p HDMI outputs. All the outputs on the DPH104 can be used with native resolution just like they were directly connected to the source system. DPH104 does not require software or configuration, and guarantee an easy and trouble-free installation experience. DPH104 is a perfect fit for numerous video wall and soft-edge blending applications. You can use multiple DPH104 devices to easily create even larger display solutions.

**Example 1:** one 8Kx1K@60Hz input to four 1080p LED wall sending boxes

**Example 2:** one 8Kx1K@60Hz input (with different contents) to four different screens

**Example 3:** one 8Kx1K@60Hz input to four 1080p projectors
AWX Plug-in for Adobe CC
Ref. AWX-PLUGIN

Accessories

AWX Plugin for Adobe CC

AWX is a proprietary graphics card accelerated codec family for Analog Way Picturall Mark II media servers. AWX files are not available for playback for other platforms.

There are four different AWX codecs: AWX, AWX Alpha, AWX HQ and AWX HQ Alpha.

AWX codec offers the lowest data rates for maximum simultaneous playback and AWX Alpha has support for transparency. AWX HQ and AWX HQ Alpha codecs offer the best image quality but at a higher data rate, allowing simultaneous playback of a smaller number of video files.

When and why should I use AWX codecs?

It is recommended to use one of the AWX codecs when the performance requirements for the installations exceed typical requirements such as 4K@60. Typical use cases are 8K playback or large blended projection full resolution video playback. AWX codecs are for example capable of handling video playback of over 100 megapixels with the Picturall Pro Mark II hardware.

The AWX codecs are optimized to work with all Picturall Mark II server media and to provide the best possible performance for large-scale installations or events.

AWX Plugin for Adobe CC

The Analog Way AWX encoder plugin for Adobe CC provides AWX export capabilities to Media Encoder, Premiere and After Effects. This plugin is available for both PC and Mac and can be downloaded from the Download section on Analog Way website.

Accessories

DP 1.2 Over Fiber Extender
Ref. EXT-DP12-OPT

The EXT-DP12-OPT is a DisplayPort 1.2 fiber optical extender (transmitter and receiver kit) providing DisplayPort uncompressed signal extension to a range of 200 m (655 ft.) over one single SC multi-mode fiber. The EXT-DP12-OPT extender supports real 4K UHD (3840x2160 or 4096x2160@60Hz) resolution and a video bandwidth up to 21.6 Gbps. Its compact design makes it ideal to fit in various installation environments or live events.
<table>
<thead>
<tr>
<th>References</th>
<th>Picturall Pro Mark II</th>
<th>Picturall Quad Mark II</th>
<th>Picturall Quad Compact Mark II</th>
<th>Picturall Twin Compact Mark II</th>
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<tr>
<td><strong>OUTPUTS</strong></td>
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<tr>
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## ADVANCED FEATURES

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<tr>
<th>Feature</th>
<th>Picturall Pro Mark II</th>
<th>Picturall Quad Mark II</th>
<th>Picturall Quad Compact Mark II</th>
<th>Picturall Twin Compact Mark II</th>
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<tr>
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<tr>
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<tr>
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<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Scheduling for single and repeating events based on time and date</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Sync layer timecode with another Picturall server over network</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Back up and synchronize the show to one or more Picturall media servers</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Single-layer crossfades on every layer</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Support for Vioso™ camera-based projection surface calibration (option)</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>SPX for titles, countdowns, and other animated HTML graphics</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
</tbody>
</table>

## MEDIA STORAGE

<table>
<thead>
<tr>
<th>Storage</th>
<th>Default</th>
<th>Storage options</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2x 1TB read-intensive PCIe-NVMe RAID 0: 2TB (read rate: 10.5GB/s) RAID 1: 1TB (read rate: 5.2GB/s)</td>
<td>4TB, 8TB, 16TB and 32TB options based on 2 larger capacity PCIe-NVMe disks (read rate up to 10.5GB/s in RAID 0 configuration)</td>
</tr>
<tr>
<td></td>
<td>1x 1TB read-intensive PCIe-NVMe Read rate: 5.2GB/s</td>
<td>2TB, 4TB and 8TB options based on 1 or 2 larger capacity PCIe-NVMe disks (read rate up to 10.5GB/s in RAID 0 configuration)</td>
</tr>
<tr>
<td></td>
<td>1x 480GB SSD Read rate: 500MB/s</td>
<td>1TB, 2TB, 4TB and 8TB options based on 1 or 2 larger capacity SSD or one PCIe-NVMe disk (read rate up to 5.2GB/s with PCIe-NVMe disk)</td>
</tr>
</tbody>
</table>
## References

<table>
<thead>
<tr>
<th>References</th>
<th>Picturall Pro Mark II</th>
<th>Picturall Quad Mark II</th>
<th>Picturall Quad Compact Mark II</th>
<th>Picturall Twin Compact Mark II</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>AUDIO</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Multi-channel audio playback and routing (up to 32 channels)</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Support for multiple simultaneous audio cards and audio output channel routing</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Real-time audio de-embedding from HDMI &amp; SDI sources, network streams and web sources</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Optional audio interface with 2x balanced XLR inputs and 2x balanced XLR outputs</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Optional 32 channels Dante™ audio interface (using any of the available default or optional NIC)</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Support 3rd party multi-channel USB interfaces</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Audio formats: wav, mp2, aac</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td><strong>PLAYBACK PERFORMANCE</strong> (with standard storage configuration)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Uncompressed playback up to</td>
<td>8K@60Hz 10-bit</td>
<td>4K@60Hz 10-bit</td>
<td>4K@60Hz 10-bit</td>
<td>1080p@60Hz 10-bit</td>
</tr>
<tr>
<td>HD@60 media layers (AWX codec)</td>
<td>66</td>
<td>48</td>
<td>48</td>
<td>12</td>
</tr>
<tr>
<td>4K@60 media layers (AWX codec)</td>
<td>18</td>
<td>8</td>
<td>8</td>
<td>2</td>
</tr>
<tr>
<td>8K@60 media layers (AWX codec)</td>
<td>6</td>
<td>2</td>
<td>2</td>
<td>0</td>
</tr>
<tr>
<td>16K@60 media layers (AWX codec)</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Canvas size up to</td>
<td>128K pixels across</td>
<td>32K pixels across</td>
<td>32K pixels across</td>
<td>16K pixels across</td>
</tr>
<tr>
<td>Layers</td>
<td>200</td>
<td>200</td>
<td>200</td>
<td>200</td>
</tr>
<tr>
<td><strong>CONTROL</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Picturall Commander user interface software</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Multi-user control</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>TCP/IP, ArtNet</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Text-based external control for integration with 3rd party control systems</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Crestron driver</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Compatible with Companion and Universe</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>References</td>
<td>Picturall Pro Mark II</td>
<td>Picturall Quad Mark II</td>
<td>Picturall Quad Compact Mark II</td>
<td>Picturall Twin Compact Mark II</td>
</tr>
<tr>
<td>----------------------------</td>
<td>-----------------------</td>
<td>------------------------</td>
<td>-------------------------------</td>
<td>--------------------------------</td>
</tr>
<tr>
<td><strong>OVERALL COMPARISON</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>NETWORKING</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Base configuration</td>
<td>2x 10Gb/s (etherCON RJ45)</td>
<td>2x 10Gb/s (etherCON RJ45)</td>
<td>2x 10Gb/s (etherCON RJ45)</td>
<td>2x 1Gb/s (etherCON RJ45)</td>
</tr>
<tr>
<td>Options</td>
<td>2 additional 1Gb/s ports and/or 1 additional 10Gb/s port can be optionally installed (instead of one or two input cards)</td>
<td>2 additional 1Gb/s ports and/or 1 additional 10Gb/s port can be optionally installed (instead of one or two input cards)</td>
<td>2 additional 1Gb/s ports or 1 additional 10Gb/s port can be optionally installed instead of an input card</td>
<td>2 additional 1Gb/s ports or 1 additional 10Gb/s port can be optionally installed instead of an input card</td>
</tr>
<tr>
<td><strong>HARDWARE PLATFORM</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>System drive</td>
<td>256GB NVMe</td>
<td>256GB NVMe</td>
<td>256GB NVMe</td>
<td>128GB SSD</td>
</tr>
<tr>
<td>Optimized Linux OS</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>CPU</td>
<td>24-Core (2.8GHz)</td>
<td>8-Core (3.2GHz)</td>
<td>8-Core (3.2GHz)</td>
<td>6-Core (3.2GHz)</td>
</tr>
<tr>
<td>RAM</td>
<td>64GB DDR4</td>
<td>32GB DDR4</td>
<td>32GB DDR4</td>
<td>16GB DDR4</td>
</tr>
<tr>
<td>USB</td>
<td>4x USB 3.0 (2 in the front, 1 in the rear)</td>
<td>4x USB 3.0 (2 in the front, 1 in the rear)</td>
<td>4x USB 3.0 (2 in the front, 1 in the rear)</td>
<td>4x USB 3.0 (2 in the front, 2 in the rear)</td>
</tr>
<tr>
<td>Chassis</td>
<td>4RU</td>
<td>4RU</td>
<td>2RU</td>
<td>2RU</td>
</tr>
<tr>
<td>Dimensions (without rack ears and rear rack mount)</td>
<td>W 17.30” x H 6.97” x D 25.39” L 440 mm x H 177 mm x P 645 mm</td>
<td>W 17.30” x H 6.97” x D 25.39” L 440 mm x H 177 mm x P 645 mm</td>
<td>W 17.30” x H 3.46” x D 25.20” L 440 mm x H 88 mm x P 640 mm</td>
<td>W 17.30” x H 3.46” x D 25.20” L 440 mm x H 88 mm x P 640 mm</td>
</tr>
<tr>
<td>Power supply</td>
<td>1200W</td>
<td>600W</td>
<td>600W</td>
<td>600W</td>
</tr>
<tr>
<td>Optional redundant, hot-swappable power supplies</td>
<td>✓</td>
<td>✓</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Warranty (+ extension)</td>
<td>3 years (extendable to 5 years)</td>
<td>3 years (extendable to 5 years)</td>
<td>3 years (extendable to 5 years)</td>
<td>3 years (extendable to 5 years)</td>
</tr>
</tbody>
</table>
SUCCESS STORIES

Analog Way Picturall Pro Media Server Drives Award-winning Entrance Experience at New St. Louis Aquarium (USA)

Analog Way Picturall Pro Media Servers Help Germany’s Rent Event Tec Drive LED Videowalls for “BioHackers” Streaming TV Series (Germany)
SUCCESS STORIES

Diversified Selects Analog Way’s Picturall Pro Media Server to Drive Lobby Video Exhibit at W.L. Gore’s Capabilities Center (USA)

David Niles Upgrades Philadelphia’s The Comcast Experience with 27 Million Pixel LED Videowall With Analog Way’s Aquilon C+ and Picturall Pro Media Servers (USA)
Analog Way's Picturall Quad Media Server Drives LED Video Display at Hospitalized Children's Hospital's Media Production Facility (USA)

Analog Way Ascender Seamless Switchers and Picturall Pro Media Server Drive Massive LED Videowall in the Stratosphere Hotel's New Sports Book (USA)
SUCCESS STORIES

Analog Way Picturall Pro Media Server Helps Congress Rental Projection Map the Plaza de Toros in Colonia (Uruguay)

Brill AV Delivers Analog Way Aquilon and Picturall Pro Solutions for High-Resolution LED Videowall Content in Paris (France)
SUCCESS STORIES

Analog Way Picturall Pro Media Servers and Aquilon C+ Power “The Link” Digital Art Installation at Choctaw Casino & Resort (USA)

Paris Annual Conference Taps Analog Way Equipment (Ascender 48 and Picturall Pro) to Showcase Complex LED Wall Visuals (France)