

Picturall Quad

Ref. MSQ04-R2



Heavy-duty quad-output 4K media server. Designed for large scale events and installations requiring high levels of performance and stability



Powerful and cost effective quad 4K solution

Picturall Quad is a cost-effective media server with same core features as its larger siblings of the Picturall series. It has enough performance for large scale installations and events as a standalone unit but is also perfect companion for Analog Way seamless image processors. 4K@60Hz 10-bit outputs, high playback performance and flexible input options make **Picturall Quad** a powerful and versatile video playback and processing solution for corporate events, architectural installations, sports venues, large theaters or medium scale LED video wall installations.

Rock-solid reliability

Built on Analog Way's long experience in ruggedized image processing hardware, the Picturall series of media servers has been designed to provide a robust, heavy-duty platform and deliver optimized uptimes and durability for any mission critical applications. **Picturall Quad** is based on the rock-solid software Linux engine by Picturall renowned for its extreme reliability, which is a result of 10 years of R&D development and field experience.

Powerful features

Picturall Quad offers 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, crossfades between clips as well as multi-user control gives you flexibility in programming and control.

Flexible setup and control

The **Picturall Commander** software is an intuitive, elegant and powerful user interface to configure and control the Picturall series of media servers. **Picturall Quad** offers IP (Ethernet), RS232 and ArtNet interfaces which enable easy integration with any third-party control systems. **Picturall Quad** is also compatible with various remote control software such as Universe or Companion.



Advanced media processing

Picturall Quad has 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) - free encoder plugin available for Adobe Creative Cloud
- 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 4.5 live video streaming
- JPG, TGA, TIFF, BMP, GIF, PNG with alpha channel
- Uncompressed image sequences (TGA, DPX, BMP)



Picturall Quad at a glance

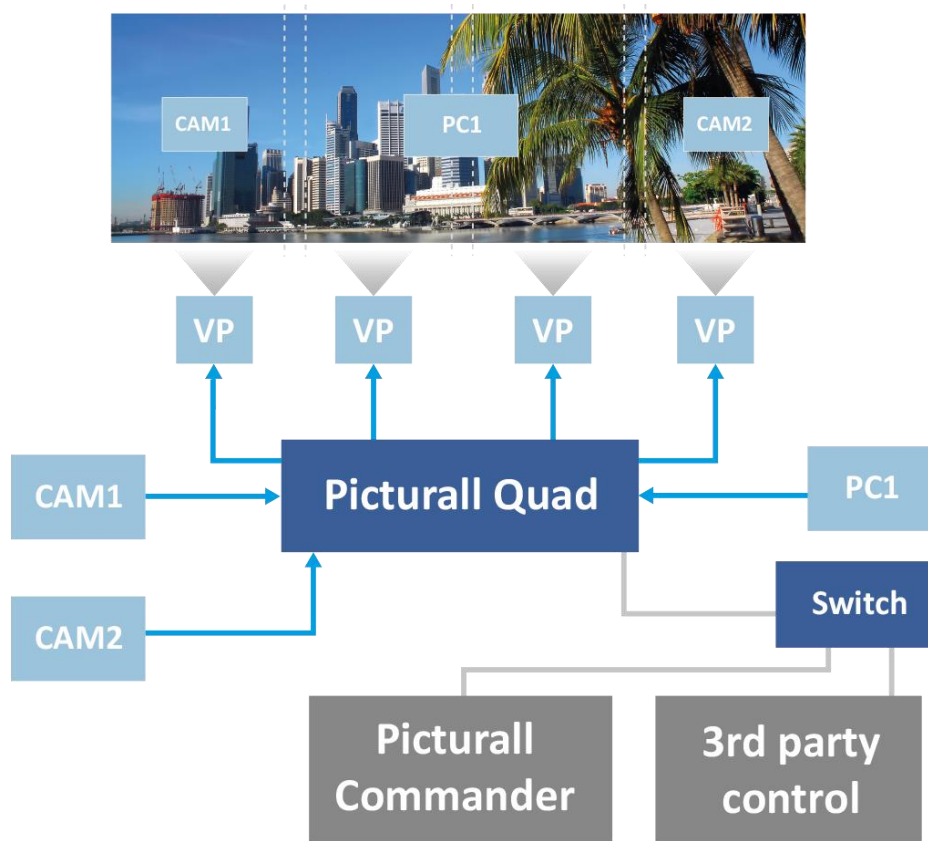
- ▶ Cost effective design
- ▶ Heavy-duty ruggedized 4RU chassis
- ▶ Quad 4K@60Hz 10-bit outputs
- ▶ Up to 8 inputs (HDMI 1.4, HDMI 2.0, 3G-SDI, DVI)
- ▶ High video playback performance
- ▶ Flexible integration with 3rd party control systems
- ▶ Rock-solid media server Linux software engine
- ▶ 3-year standard warranty

Playback performance (AWX and AWX HQ)	Twin & Twin Compact	Quad & Quad Compact	Pro ^[1]	Pro ^[2]	Pro ^[3]
HD@60 media layers	8	12	16	26	48
HD@60 HQ media layers	3	4	6	14	18
4K@60 media layers	2	3	4	6	12
4K@60 HQ media layers	0	1	2	4	5
8K@60 media layers	0	0	1	2	3
8K@60 HQ media layers	0	0	0	1	1

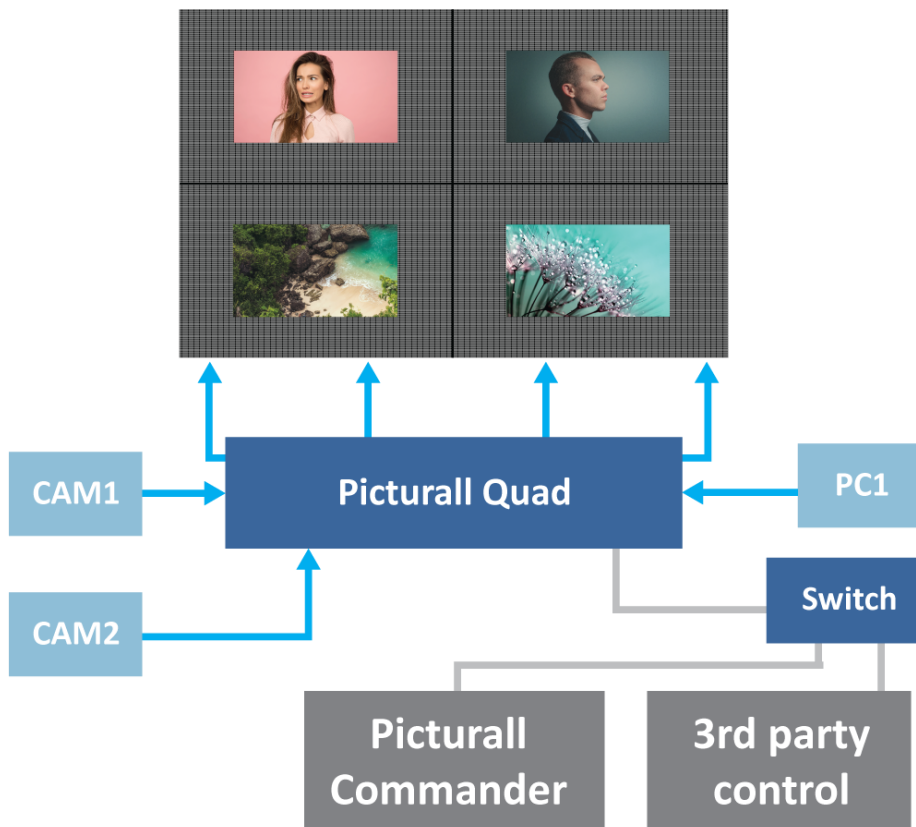
[1] Standard media drive configuration [2] Optional Performance media drive configuration [3] Optional Performance+ media drive configuration

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Application example: Soft-Edge Blending 4 projectors



Application example: LED videowall



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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, DVI)
- 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 of up to 12x layers of 1080p@60Hz video or 3x layers of 4K@60Hz video (with AWX codec)
- Media playback beyond 4K across with a single file
- NotchLC™ playback up to 6x 1080p@60Hz or 2x 4K@60Hz (with Excellent quality setting)
- Apple™ ProRes authorized product
- HTML browser input for layers
- Support for Newtek™ NDI (version 4.5) live video streaming
- Support for H.264 and H.265 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

Dimension (in Rack Units - RU)

- ▶ 4RU

Dimensions (without rack ears and rear rack mount)

- ▶ W 17.28" x H 6.96" x D 20.07"
- ▶ L 439.5 mm x H 177 mm x P 510 mm

Dimensions (with handles)

- ▶ W 18.98" x H 6.96" x D 21.65"
- ▶ L 482 mm x H 177 mm x P 550 mm

Weight without accessories

- ▶ 17.5 kg / 38.58 lbs

Shipping weight accessories included

- ▶ 23.3 kg / 50.77 lbs

Operating conditions

- ▶ Temperature: 0 to 40°C (32 to 104°F)
- ▶ Humidity: 10% to 80%, non-condensing

Noise (@ 1,6m height @25°C)

- ▶ Front: 45 DBa@1m
- ▶ Rear: 44 DBa@1m

Thermal dissipation

- ▶ 512 BTU/hr

Warranty

- ▶ 3-year warranty on parts and labor back to factory

Power supply

- ▶ 100-240 VAC 50/60Hz 12,6-6A
- ▶ Max consumption: 200 W

Safety Compliance

- ▶ IEC/UL/EN 62368-1
- ▶ CSA22.2#62368-1

Supplied with

- ▶ 1 x Power supply cord
- ▶ 1 x Remote Control Software
- ▶ 1 x Rackmount kit
- ▶ 1 x Ethernet cross cable (for device control)
- ▶ 1 x User manual (PDF)
- ▶ 1 x Quick start guide including safety instructions

OUTPUTS

- 4 x DisplayPort 1.2 outputs
- Output resolution up to 4096 x 2160@60Hz 10-bit
- Full 4:4:4 color sampling

SUPPORTED MEDIA FORMATS

AWX, AWX HQ and AWX alpha (proprietary high-performance codec) - free encoder plugin available for Adobe Creative Cloud

HAP, HAP-Q, HAP Alpha and HAP-Q Alpha

Apple™ ProRes (any version including ProRes 4444)

NotchLC™ (NotchLC is a product of 10bitFX Limited - www.notch.one)

MPEG1, MPEG2, MPEG4, MJPEG

H.264, H.265

JPG, TGA, TIFF, BMP, GIF, PNG with alpha channel

Uncompressed image sequences (TGA, DPX, BMP)

HTML-based web content with full JavaScript support

PERFORMANCES

- Up to 200 layers
- Typical playback of up to 12x layers of 1080p@60Hz video or 3x layers of 4K@60Hz video (with AWX codec)
- Uncompressed playback up to 1080@60Hz
- Canvas size up to 32k pixels across

MEDIA STORAGE

- 480GB SSD - Speed 500 MB/S
- Optional 1TB, 2TB or 4TB drive (instead of 480GB)

AUDIO

Optional two-channel audio interface with balanced XLR outputs

Support optional multichannel audio interfaces via USB

Audio formats: wav, mp2, aac

OPTIONAL INPUTS

- Up to two optional low latency input cards:
 - 2 x HDMI 1.4, 4 x HDMI 1.4, 1 x HDMI 2.0,
 - 2 x 3G-SDI, 4 x 3G-SDI, 1 x DVI, 2 x DVI
- Network streams (H.264, H.265...)

Newtek™ NDI 4.5 live video streaming (NDI™ is a trademark of NewTek, Inc. - ndi.newtek.com)

CONTROL

- Picturall Commander user interface software
- TCP/IP, ArtNet, RS232 (option)


NETWORKING

- 1Gb EtherCon
- Optional 1 x 10Gb EtherCon

OPERATING SYSTEM

- Optimized Linux OS

All technical specifications and videos are available on www.analogway.com

 Specifications subject to change without prior notice

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