

Picturall Quad

Ref. MSQ04-R1

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

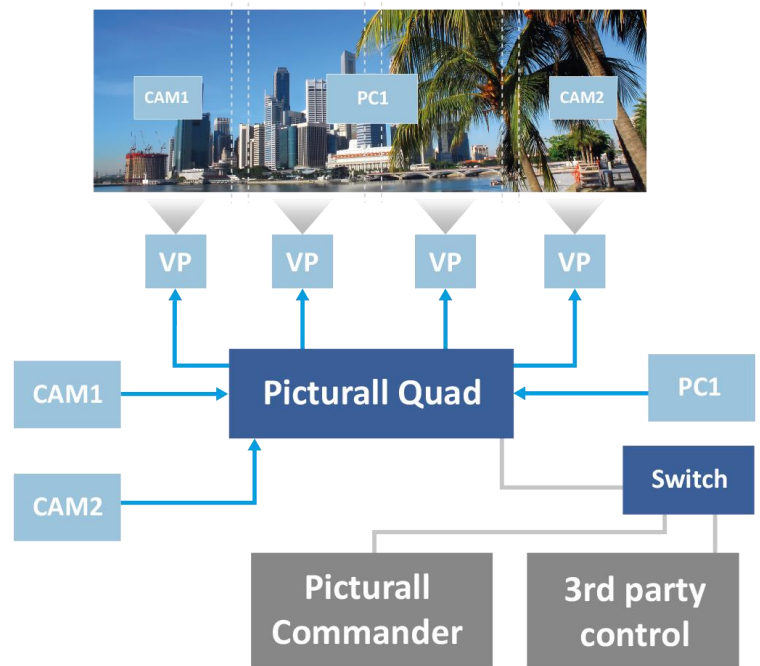
Built on Analog Way's long experience in ruggedized image processing hardware, the Picturall series of media servers has been designed to provide a robust, heavy-duty platform and deliver optimized uptimes and durability for the most demanding applications. **Picturall Quad** is based on the rock-solid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

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. Features like automatic show start, custom resolutions, parallel cue lists and multi-user control gives you flexibility in programming and control.

Application example

Soft-Edge Blending 4 projectors



Picturall Quad at a glance

- ▶ Cost effective design
- ▶ Heavy-duty ruggedized chassis
- ▶ Quad 4K@60Hz 10-bit outputs
- ▶ High video playback performance
- ▶ Flexible integration with 3rd party control systems
- ▶ Rock-solid media server Linux software engine
- ▶ 3-year standard warranty

	Picturall Twin	Picturall Quad	Picturall Pro
4K@60Hz video outputs	2	4	16
Playback performance (HD layers) ^[1]	8	8	16
Playback performance (4K@60Hz layers) ^[1]	2	2	4
Uncompressed playback	1080@60Hz 10-bit	4K@30Hz 10-bit	4K@30Hz 10-bit

^[1] When encoded with PKRL codec

KEY FEATURES

- Ruggedized, rack mountable chassis
- Optional redundant, hot-swappable power supplies
- Runs on custom and optimized Linux operating system
- Four 4K@60Hz 10-bit outputs
- Unlimited media width and height with PRKL codec (limited only by hardware performance)
- High video playback performance: playback of up to 8x layers of full HD video or 2x layers of 4K@60Hz video
- Media playback beyond 8K across with a single file
- Up to 8 inputs (HDMI 1.4, HDMI 2.0, 3G-SDI, DVI)
- Soft-edge blending of multiple projectors
- Custom output resolutions for LED walls
- Programmable outputs and layers positioning, rotation, color correction, warping, blending and more...
- 36 real-time effects including comprehensive keying options
- Pixel accurate synchronization between all outputs
- Flexible cue-based show programming
- Apple™ ProRes authorized product
- HTML browser input for layers
- Support for H.264 and H.265 network streams
- EDID support
- Support for direct ArtNet, TCP/IP or RS232 control
- Flexible integration with 3rd party control systems
- Use the included Picturall commander software for complete control of your event
- Multi-user control
- Automatic show start on boot
- 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 (standard)

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

Dual redundant power supply (option)

- ▶ 100-240 VAC 12-7A 50-60Hz (not for china)
- ▶ 200-240 VAC 7A 50-60Hz (only for china)

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

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

SUPPORTED MEDIA FORMATS

- PRKL (Picturall codec for very high resolutions)
- PRKL alpha
- Apple ProRes (any version including ProRes 4444)
- MPEG1, MPEG2, MPEG4, MJPEG,
- H.264, H.265
- JPG, TGA, TIFF, BMP, GIF, PNG with alpha channel
- Uncompressed image sequences (TGA, DPX)
- HTML-based web content with full Java script support

PERFORMANCES

- Up to 200 layers
- Typical playback of up to 8x layers of full HD video or 2x layers of 4K@60Hz video (when encoded with PRKL codec)
- Uncompressed playback up to 4K@30Hz
- Canvas size up to 32k pixels across

MEDIA STORAGE

- 525GB SSD - Speed 1000 MB/S
- Optional 1TB drive (instead of 525GB)

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 (H264, H265...)

CONTROL

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

NETWORKING

- 1Gb EtherCon

OPERATING SYSTEM

- Optimized Linux OS

*All technical specifications and videos are available on www.analogwav.com

 Specifications subject to change without prior notice

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