

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

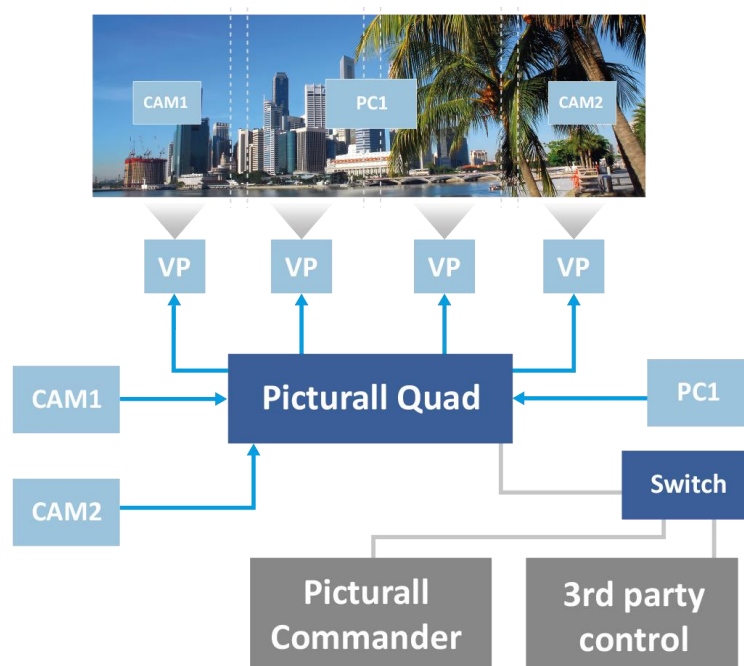
Built on Analog Way's long experience in ruggedized image processing hardware, the Picturall series of media servers has been designed to provide a robust, heavy-duty platform and deliver optimized uptimes and durability for the most demanding applications. **Picturall Quad** is based on the rock-solid 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.analogway.com

 Specifications subject to change without prior notice

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