

Picturall Pro

Ref. MSP16-R1

Mission critical 8K modular media server. Engineered for the support of massive events and installations from one single server unit



Massive playback capabilities

Picturall Pro is a high-performance modular media server designed to playback huge video content for large scale installations and events. With flexible input and output options, the ability to playback media beyond 8K resolution and to drive up to 16x 4K@60Hz 10-bit pixel accurate outputs from a single server unit, the **Picturall Pro** media server is the true powerhouse in massive LED video wall installations and large corporate events.

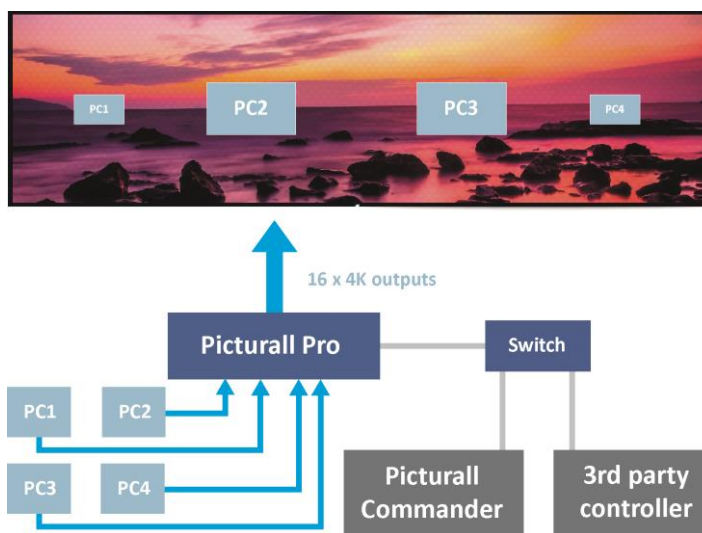
Rock-solid reliability

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 Pro** 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.

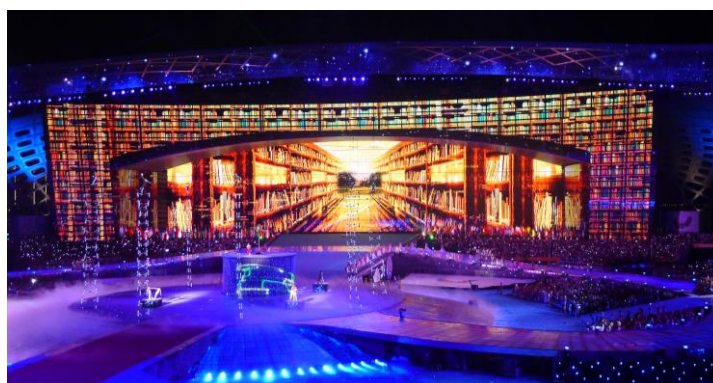
Flexible setup and control

The **Picturall Commander** software is an intuitive, elegant and powerful user interface to configure and control the Picturall series of media servers. **Picturall Pro** 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. All the tools you need to creatively integrate the solution that your customer has envisioned!

Application example - 16K LED video wall



105m x 24m LED video wall driven by one Picturall Pro (12 outputs)



Picturall Pro at a glance

- ▶ Modular design with extensive I/O capability
- ▶ Heavy-duty ruggedized 4RU chassis
- ▶ Up to sixteen 4K@60Hz 10-bit outputs
- ▶ Beyond 8K 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		Quad		Pro ^[1]	Pro ^[2]
	Twin	Twin Compact	Quad	Quad Compact		
HD@60 media layers	8	8	12	12	16	26
HD@60 HQ media layers	3	3	4	4	6	14
4K@60 media layers	2	2	3	3	4	6
4K@60 HQ media layers	0	0	1	1	2	4
8K@60 media layers	0	0	0	0	1	2
8K@60 HQ media layers	0	0	0	0	0	1

[1] Standard media drive configuration [2] Optional 4TB Performance media drive configuration

KEY FEATURES

Ruggedized, rack mountable 4RU chassis

Optional redundant, hot-swappable power supplies

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 single chassis

Uncompressed image sequence playback up to 4K@60Hz (with the 4TB performance storage option)

Unlimited media width and height with AWX codec (limited only by hardware performance)

Uncompromised video playback performance: up to 6x layers of 4K@60Hz video or 2x layers of 8K@60Hz video (with AWX codec and the 4TB performance storage option)

Up to 16 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 and blending

36 real-time effects including comprehensive keying options

Pixel accurate synchronization between all outputs

Flexible cue-based show programming

Support for single-layer crossfades on every layer

Apple™ ProRes authorized product

HTML browser input for layers

Support for Newtek™ NDI (live video streaming)

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 20.31"

▶ L 439.5 mm x H 177 mm x P 516 mm

Dimensions (with handles)

▶ W 18.98" x H 6.96" x D 22.48"

▶ L 482 mm x H 177 mm x P 571 mm

Weight without accessories

▶ 20 kg / 44 lbs

Shipping weight accessories included

▶ 25 kg / 55.11 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: 55 DBa@1m

▶ Rear: 54 DBa@1m

Thermal dissipation

▶ 1706 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: 600 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

Up to 16 x DisplayPort 1.2 outputs

Output resolution up to 4096 x 2160@60Hz 10-bit

Full 4:4:4 color sampling

Optional Genlock & Framelock card

SUPPORTED MEDIA FORMATS

AWX, AWX HQ and AWX alpha (Analog Way proprietary high-performance codec)

HAP, HAP-Q, HAP Alpha and HAP-Q 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, BMP)

HTML-based web content with full Java script support

PERFORMANCES

Up to 200 layers

Typical playback of up to 26x layers of full HD video or 6x layers of 4K@60Hz video or 2x layers of 8K@60Hz video (with AWX codec and the 4TB Performance storage option installed)

Uncompressed playback up to 4K@60Hz (with the 4TB Performance storage option installed)

Canvas size up to 128K pixels across

MEDIA STORAGE

1TB SSD - Speed 1000 MB/S

Optional 2TB and 4TB drive (instead of 1TB)

Optional 4TB Performance - Speed 1600 MB/S

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 four optional low latency input cards (five combined input/output 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 (live video streaming)

CONTROL

Picturall Commander user interface software

TCP/IP

ArtNet

RS232 (option)

NETWORKING

2 x 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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