

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.

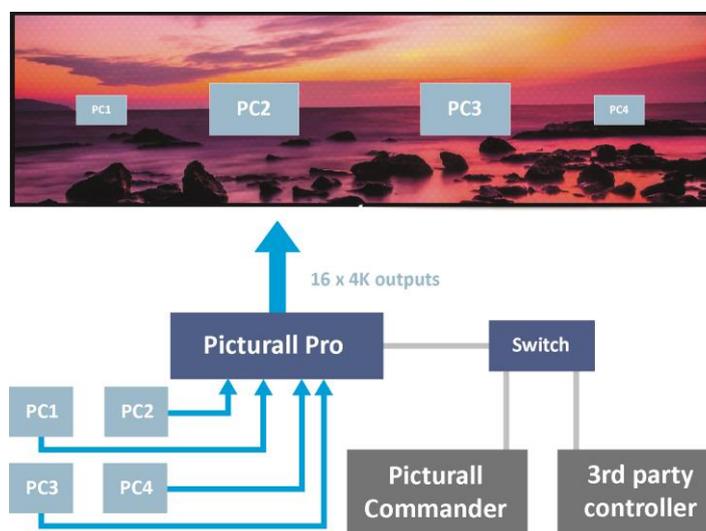
Rock-solid reliability

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.

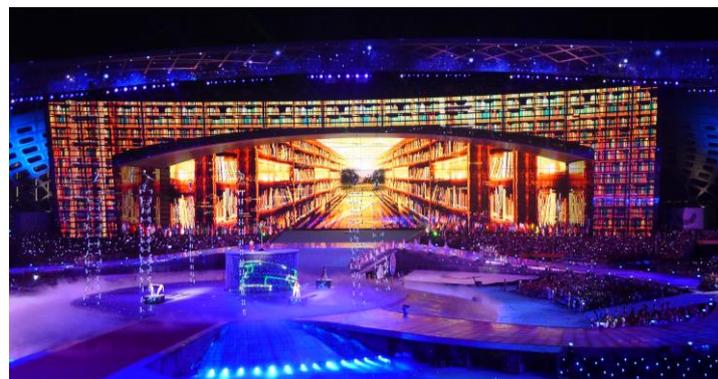
Flexible setup and control

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 chassis
- ▶ Up to sixteen 4K@60Hz 10-bit pixel accurate 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)	Picturall Twin	Picturall Quad	Picturall Pro ^[1]	Picturall Pro ^[2]
HD@60 media layers	8	12	16	26
HD@60 HQ media layers	3	4	6	14
4K@60 media layers	2	3	4	6
4K@60 HQ media layers	0	1	2	4
8K@60 media layers	0	0	1	2
8K@60 HQ media layers	0	0	0	1

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

KEY FEATURES

- Ruggedized, rack mountable 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
- 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 20.31"
- ▶ 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...)

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

MSP16-R1_EN-02/19/2019