

# Picturall Twin Compact

Ref. MSTC02-R1



**Heavy-duty, compact dual-output 4K media server. Designed for medium-sized events and installations requiring high levels of performance and reliability**



## Powerful and compact dual 4K solution

**Picturall Twin Compact** is a cost-effective media server with same core features as its larger siblings of the Picturall series. It has enough performance for medium-sized 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 Twin Compact** a powerful and versatile video playback and processing solution for auditoriums, corporate lobbies, theaters and much more...

## Rock-solid reliability

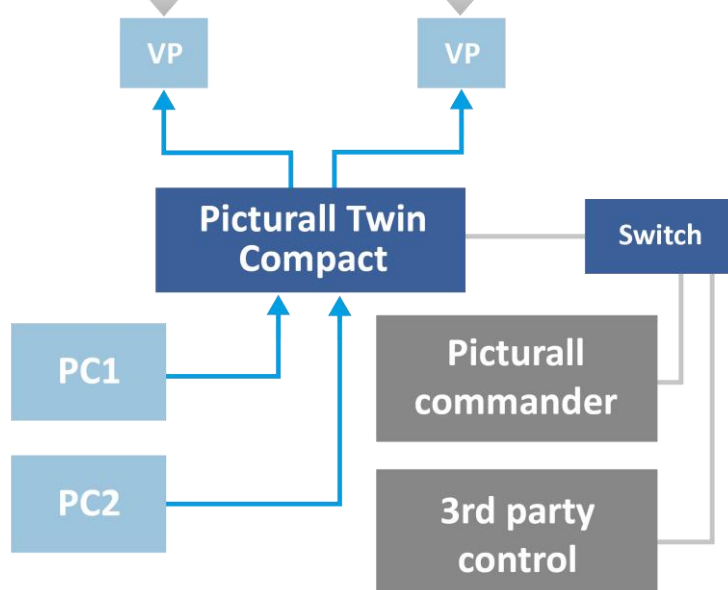
Built on Analog Way's long experience in ruggedized image processing hardware, the Picturall series of media servers has been designed to provide a robust, heavy-duty platform and deliver optimized uptimes and durability for the most demanding applications. **Picturall Twin Compact** is based on the 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 Twin Compact** 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 2 projectors



### Picturall Twin Compact at a glance

- ▶ Cost effective design
- ▶ Heavy-duty ruggedized compact 2RU chassis
- ▶ Dual 4K@60Hz 10-bit outputs
- ▶ Up to 4 inputs (HDMI 1.4, HDMI 2.0, 3G-SDI, DVI)
- ▶ High video playback performance
- ▶ Flexible integration with 3<sup>rd</sup> 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 <sup>[1]</sup> | Pro <sup>[2]</sup> |
|---------------------------------------|------|--------------|------|--------------|--------------------|--------------------|
| 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 performance media drive configuration

## KEY FEATURES

- Ruggedized, rack mountable 2RU chassis
- Runs on dedicated and optimized Linux operating system
- Two 4K@60Hz 10-bit outputs
- Unlimited media width and height with AWX 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 (with AWX codec)
- Media playback beyond 4K across with a single file
- Up to 4 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 air filter for swift cleaning
- 3-year standard warranty, extendable to 5 years

### Dimension (in Rack Units - RU)

- ▶ 2RU

### Dimensions (without rack ears and rear rack mount)

- ▶ W 17.28" x H 3.46" x D 20.07"
- ▶ L 439.5 mm x H 88 mm x P 510 mm

### Dimensions (with handles)

- ▶ W 18.98" x H 3.46" x D 21.65"
- ▶ L 482 mm x H 88 mm x P 550 mm

### Weight without accessories

- ▶ 14.2 kg / 31.30 lbs

### Shipping weight accessories included

- ▶ 19.7 kg / 41.88 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

### 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

- Two 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 (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 8x layers of full HD video or 2x layers of 4K@60Hz video (with AWX codec)
- Uncompressed playback up to 1080@60Hz
- Canvas size up to 16k pixels across

## MEDIA STORAGE

- 250GB SSD - Speed 500 MB/S
- Optional 525GB or 1TB drive (instead of 250GB)

## AUDIO

- Optional two-channel audio interface with balanced XLR outputs
- Support optional multichannel audio interfaces via USB
- Audio formats: wav, mp2, aac

## OPTIONAL INPUTS

- One optional low latency input card:
  - 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](http://www.analogway.com)

 Specifications subject to change without prior notice

MSTC02-R1\_EN-04/03/2019