

# 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 any mission critical 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.

## Powerful features

**Picturall Twin Compact** offers all the tools you need to creatively integrate the solution that your customer has envisioned. Features like automatic show start, custom resolutions and virtual displays, parallel cue lists, cue tracking, real-time effects, crossfades between clips as well as multi-user control gives you flexibility in programming and control.

## 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. **Picturall Twin Compact** is also compatible with various remote control software such as Universe or Companion.



Supported by  
**Companion**



supported by  
**universe**

## Advanced media processing

**Picturall Twin Compact** has been designed to offer the best image quality and to process a wide variety of network streams and media including:

- AWX, AWX HQ and AWX alpha (proprietary high-performance codec with unlimited media width and height) - free encoder plugin available for Adobe Creative Cloud
- HAP, HAP-Q, HAP Alpha and HAP-Q Alpha
- Apple™ ProRes (any version including ProRes 4444)
- NotchLC™
- MPEG1, MPEG2, MPEG4, MJPEG
- H.264, H.265 (including network streams)
- Newtek™ NDI 4.5 live video streaming
- JPG, TGA, TIFF, BMP, GIF, PNG with alpha channel
- Uncompressed image sequences (TGA, DPX, BMP)



### 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

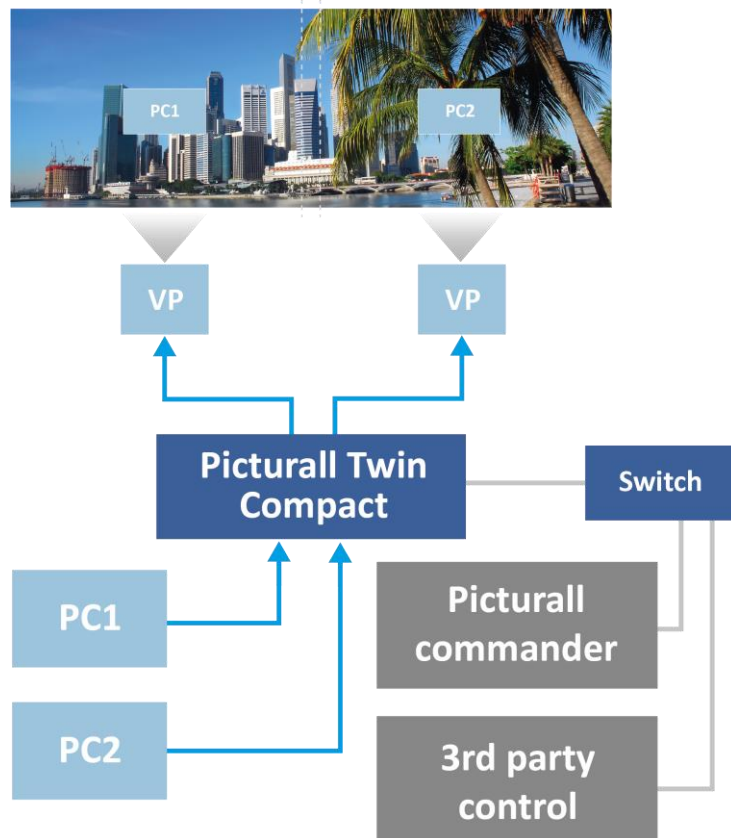
### Playback performance (AWX and AWX HQ)

	Twin & Twin Compact	Quad & Quad Compact	Pro [1]	Pro [2]	Pro [3]
HD@60 media layers	8	12	16	26	48
HD@60 HQ media layers	3	4	6	14	18
4K@60 media layers	2	3	4	6	12
4K@60 HQ media layers	0	1	2	4	5
8K@60 media layers	0	0	1	2	3
8K@60 HQ media layers	0	0	0	1	1

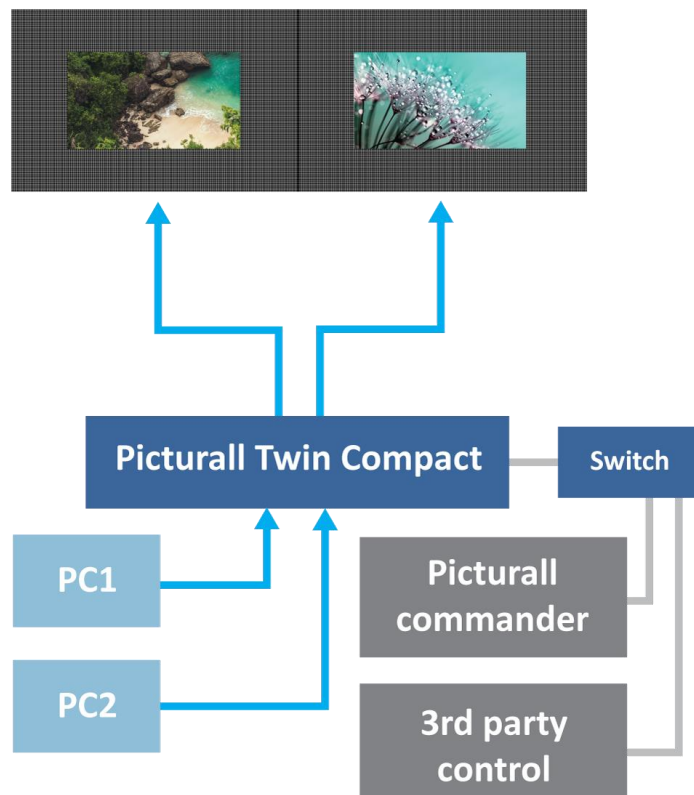
[1] Standard media drive configuration [2] Optional Performance media drive configuration [3] Optional Performance+ media drive configuration

# Picturall Twin Compact

## Application example: Soft-Edge Blending 2 projectors



## Application example: LED videowall



# Picturall Twin Compact

## 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 1080p@60Hz video or 2x layers of 4K@60Hz video (with AWX codec)
- NotchLC™ playback up to 4x 1080p@60Hz or 1x 4K@60Hz (with Excellent quality setting)
- 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 and virtual display feature 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 with cue tracking feature
- Support for single-layer crossfades on every layer
- Apple™ ProRes authorized product
- HTML browser input for layers
- Support for Newtek™ NDI (version 4.5) 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 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

- 2 x 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 (proprietary high-performance codec) - free encoder plugin for Adobe Creative Cloud also available on analogway.com
- HAP, HAP-Q, HAP Alpha and HAP-Q Alpha
- Apple™ ProRes (any version including ProRes 4444)
- NotchLC™ (NotchLC is a product of 10bitFX Limited - www.notch.one)
- 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 JavaScript support

## PERFORMANCES

- Up to 200 layers
- Typical playback of up to 8x layers of 1080p@60Hz 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

- 480GB SSD - Speed 500 MB/S
- Optional 1TB or 2TB drive (instead of 480GB)

## 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 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 4.5 live video streaming (NDI™ is a trademark of NewTek, Inc. - ndi.newtek.com)

## 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

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