Picturall Twin
Ref. MST02-R2

ANALOG WAY®
Pioneer in Analog, Leader in Digital

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

Powerful and cost effective dual 4K solution

Picturall Twin 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** 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** 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 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, timecode-based cue triggering, cue scheduling, 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** offers IP (Ethernet), RS232 and ArtNet interfaces which enable easy integration with any third-party control systems. **Picturall Twin** is also compatible with various remote control software such as Universe or Companion.

Supported by **Companion**
supported by **universe**

Advanced media processing

Picturall Twin 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)

AWX   HAP
ProRes   NDI   NOTCH LC

Picturall Twin at a glance

- ▶ Cost effective design
- ▶ Heavy-duty ruggedized 4RU chassis
- ▶ Dual 4K@60Hz 10-bit outputs
- ▶ Up to 8 inputs (HDMI 1.4, HDMI 2.0, 3G-SDI, DVI)
- ▶ High video playback performance
- ▶ Flexible integration with 3rd party control systems
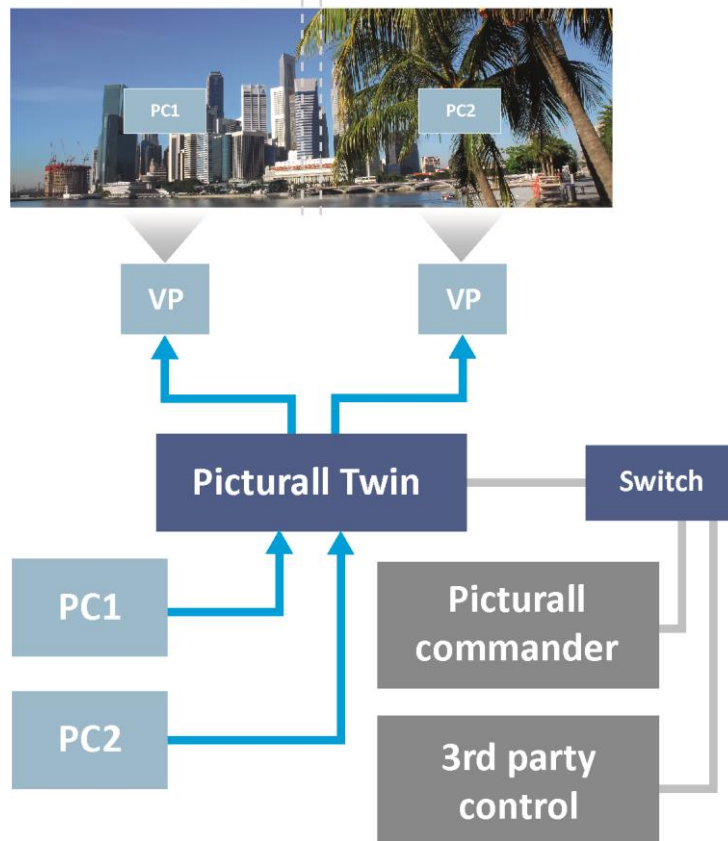- ▶ Rock-solid media server Linux software engine
- ▶ 3-year standard warranty

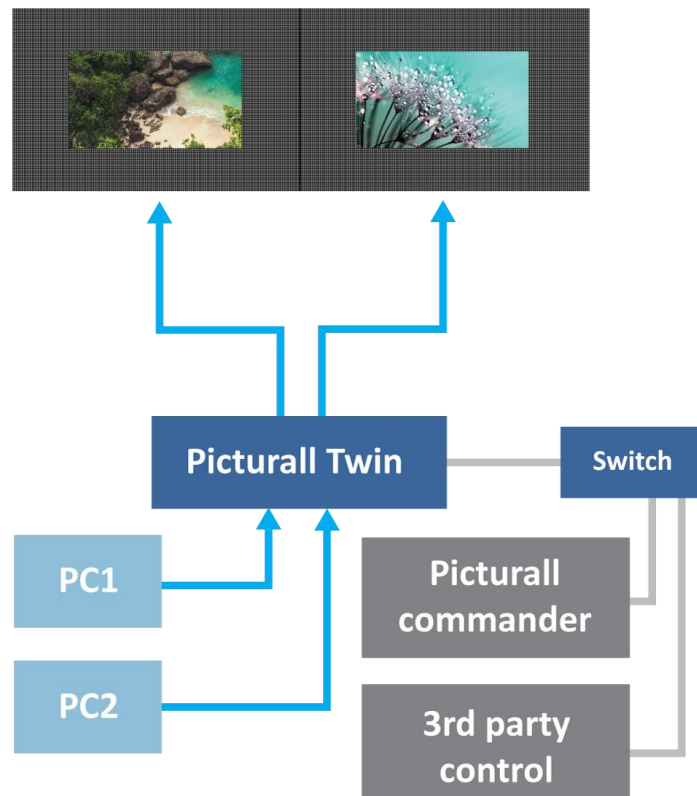| Playback performance (AWX and AWX HQ)	Twin & Twin Compact	Quad & Quad Compact	Pro [1]	Pro [2]	Pro [3]
HD@60 media layers	8	12	16	26	48
HD@60 HQ media layers	3	4	6	14	18
4K@60 media layers	2	3	4	6	12
4K@60 HQ media layers	0	1	2	4	5
8K@60 media layers	0	0	1	2	3
8K@60 HQ media layers	0	0	0	1	1

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

Picturall Twin

Application example: Soft-Edge Blending 2 projectors

Application example: LED videowall

Picturall Twin

KEY FEATURES

Runs on dedicated and optimized Linux operating system

Two 4K@60Hz 10-bit outputs

Up to 8 inputs (HDMI 1.4, HDMI 2.0, 3G-SDI, DVI)

Pixel accurate synchronization between all outputs

Custom output resolutions and virtual display feature for LED walls

Programmable outputs and layers positioning, rotation, color correction, warping, blending and more…

Soft-edge blending of multiple projectors

EDID support

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)

Media playback beyond 4K across with a single file

NotchLC™ playback up to 4x 1080p@60Hz or 1x 4K@60Hz (with Excellent quality setting)

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

36 real-time effects including comprehensive keying options

Use the included Picturall commander software for complete control of your event

Flexible integration with 3rd party control systems

Flexible cue-based show programming with cue tracking feature

Supports external LTC and MTC signal controlled cue triggering (external USB audio card required)

Supports server internal timecode formats: system wallclock, timecode generator, media playback

Supports scheduling for single and repeating events based on time and date

Support for single-layer crossfades on every layer

Automatic show start on boot

Multi-user control

Ruggedized, rack mountable 4RU chassis

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
▶ 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

ⓘ Specifications subject to change without prior notice

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 available for Adobe Creative Cloud

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 Java script 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

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 (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

Optional 1 x 10Gb EtherCon

OPERATING SYSTEM

Optimized Linux OS

All technical specifications and videos are available on
www.analogway.com

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