

Kommander KT2



The compact solution for fixed installation, the Kommander KT2 media server excels at pixel-perfect LED tiling, multi-layer display, and peripheral control. Manage effortlessly via iPad real-time visual control or set-it-and-forget-it automated scheduling. Enjoy stable, intelligent operation built for long-term reliability.



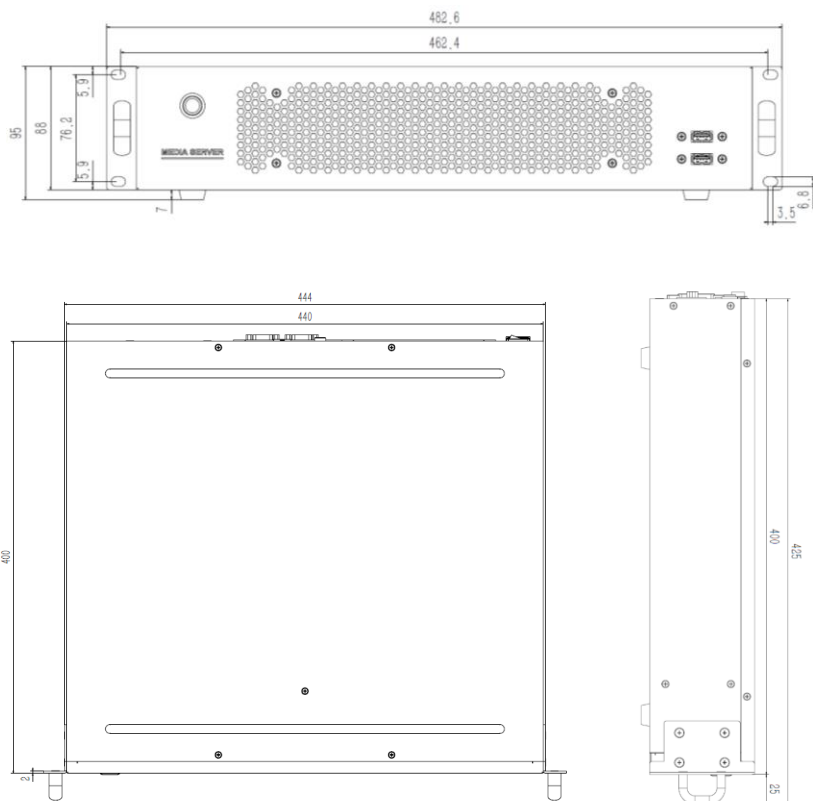
Interface

| Video Outputs | | |
|---------------|---|---|
| Output-1 | 2 | 1x HDMI duplicate 1x DP 1x HDMI 2.0, resolution up to 3840x2160@60Hz 1x DP 1.2, resolution up to 3840x2160@60Hz |
| Output-2 | 2 | 1x HDMI duplicate 1x DP 1x HDMI 2.0, resolution up to 3840x2160@60Hz 1x DP 1.2, resolution up to 3840x2160@60Hz |
| GUI-HDMI | 1 | Resolution up to FHD@60Hz, for operating |
| Audio | | |
| TRS Jack | 2 | 1x output, 1x input |
| Network | | |
| RJ-45 | 1 | 1x 1Gb/s |
| Others | | |
| USB 3.0 | 4 | Front: 2x USB 3.0, Rear: 2x USB 3.0 |
| RS232 | 2 | For data transmission |

Hardware Specifications

| | |
|---------------|------------------------|
| CPU | AMD Ryzen™ 7 7735HS |
| Graphics Card | AMD Radeon™ 680M |
| Motherboard | AMD custom motherboard |
| Network | 1x 1Gb/s |
| Memory | 16GB DDR5 |
| Storage | 500GB SSD |
| Power | 225W |

The specifications are subject to change without further notice



Physical Specifications

| | |
|--------------------|-----------------------------|
| Size (Rack Units) | 2U |
| Dimensions | D: 425mm W: 482.6mm H: 95mm |
| Weight | 5.9KG |
| Voltage | 100-240V AC~50/60Hz |
| Operating Humidity | 5%-95% |
| Operating Temp | 0-45°C |
| Warranty | 2 Years |

Feature List

Content Composition

- Display PowerPoint with embedded animations, video, and audio, supports next slide and presenter view mode.
- Playlist functionality with automatic content looping.
- 32 real-time effects including masks, chroma key, rolling, etc.
- Built-in utilities: Subtitle, timer, countdown, clock, weather displays.

Editing & Workflow

- Plan Mode: Drag-and-drop content organization for conference event editing.
- Preview mode enables on-site editing without affecting real-time output.
- Timeline Mode: Frame-accurate control with keyframing for creative effects.

Projection & Blending

- Vioso camera-based projection surface calibration.
- Multi-user collaboration for projection fusion setup.
- Geometry correction and edge blending for multi-projector setups.

Unattended & Schedule

- Time/date-based event scheduling.
- Automatic power-on and power-off unattended.

Output Management

- 2x 4K@60Hz outputs, 8x screens, and 16x layers.
- 2x RS232 for data transmission.
- Dedicated GUI for operator control.
- Custom output resolution and EDID lock support.
- Adjust color parameters per individual LED screen or per content source.

Protocols & Control

- Stream Deck & Companion integration.
- Control protocols supported: MIDI, OSC, DMX, Timecode, TCP/IP, UDP.
- Remote control via iPad/Phone using the Kommander Cloud Control App.
- Built-in Kapollo central control software(Support control of 5 devices)

Streaming & Live

- NDI (Version 6) & Spout network video input and output.
- Dante audio integration and multi-channel audio mapping.
- Browser and RTMP output, RTSP, RTMP, RTP, SRT, HLS live streaming input.

Multi-Server Sync

- Automatic main/backup server switching when signal abnormality.
- Project sync via local network with centralized control from the main server.

Codec Performance

| Resolution & Frame rate | Codec | Content Data Rate | Max layers |
|-------------------------|-------|-------------------|------------|
| 8K@60Hz | HAP | 477MB/s | 1 |
| 8K@30Hz | HAP | 303MB/s | 5 |
| 4K@60Hz | HAP | 245MB/s | 6 |
| 4K@30Hz | HAP | 123MB/s | 16 |
| FHD@60Hz | HAP | 62MB/s | 16 |
| FHD@30Hz | HAP | 31MB/s | 16 |
| 4K@60Hz | H265 | 20MB/s | 2 |
| 4K@30Hz | H265 | 15MB/s | 4 |
| FHD@60Hz | H265 | 9MB/s | 6 |
| FHD@30Hz | H265 | 6MB/s | 10 |

The test results are for reference only, different content and environment may affect the test results.

The test specifications is based on the KT2 server with 2x 4K@60Hz outputs were used.

Format & Reference

| Type | Format (*Video is container format) | Reference |
|--------|---|--|
| Video | MP4, AVI, MKV, WMV, FLV, MOV, ASF, MPEG, MPG, TP, TS, MTS, M2TS, VOB, RMVB, RM, RAM, DIVX, EVO, OGM, M1V, M4V, MPE, 3GP, WEBM | Container format: MOV Codec format: HAP Color space: yuv420p Color bit depth: 8 bit |
| Audio | MP3, MP2, MPA, AAC, OGG, WAV, WMA, APE, AC3, FLAC, M1A, M2A, M4A, RA, DTS, DTSHD | Codec format: AAC Sampling format: S16 Sampling rate: 44100/48000 |
| Image | JPG, JPEG, GIF, BMP, PNG, TIF, TIFF, ICO, WEBP | Pixel-to-Pixel |
| Office | PPTX, PPT, PDF, DOC, DOCX, WPS, XLSX, XLS, XLA, XLM, XLT, XLL, WKS, ET, DPS | Office version: 2016 and above (Activated) |



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