Kommander F9

The comprehensive solution for fixed installation, the Kommander F9 media server excels at driving immersive interaction and peripheral orchestration. Manage effortlessly via iPad real-time visual control or set-it-and-forget-it automated scheduling. Provide rock-solid reliability and frame-sync for mission-critical workflows.
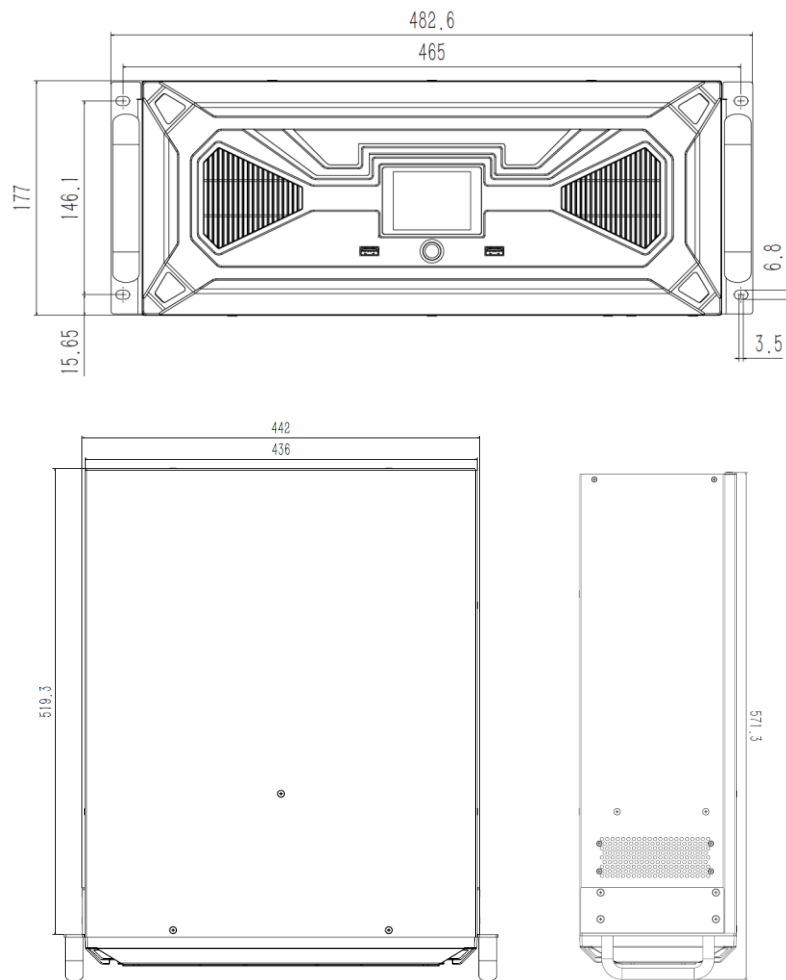
Interface

Video Outputs		
DP 1.4	3	Resolution up to 4096x2160@60Hz
Type-c	1	Resolution up to 4096x2160@60Hz
GUI	2	1x DP 1.2, 1x HDMI 2.0 Resolution up to 4K@60Hz, for operating
Video Sync		
BNC	1	For Genlock
RJ-45	2	For Framelock
Audio		
TRS Jack	3	2x output, 1x input
Network		
RJ-45	1	1x 2.5Gb/s
Others		
USB	10	Front: 2x USB 3.0 Rear: 4x USB 2.0, 2x USB 3.0, 1x USB 3.2, 1x USB-C
Lamp	1	Control the server chassis light strip

Hardware Specifications

CPU	Core i7 12th Gen
Graphics Card	NVIDIA RTX 4000
Motherboard	ASUS Z790
Network	1x 2.5Gb/s
Memory	32GB DDR4
Storage	1TB SSD
SYNC Card	Quadro Sync II
Power	750W

The specifications are subject to change without further notice

Physical Specifications

Size (Rack Units)	4U
Dimensions	D: 571.3mm W: 482.6mm H: 177mm
Weight	15KG
Voltage	100-240V AC~50/60Hz
Operating Humidity	5%-95%
Operating Temp	0-45℃
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

- Dedicated GUI for operator control.
- Custom output resolution and EDID lock support.
- Unlimited outputs, screens, and layers (hardware-dependent).
- 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.
- Browser and RTMP output, RTSP, RTMP, RTP, SRT, HLS live streaming input.
- Dante audio integration and multi-channel audio mapping.

Multi-Server Sync

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

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)

KYSTAR

Beijing Kystar Technology Co., Ltd.

sales@kystar.net

www.kystar.com.cn/en | www.kommander.com.cn/en