

Director Mini - Magewell

 magewell.com/director-mini

Director Mini

Combining multi-input switching, graphics, streaming, recording and monitoring in one compact device, Director Mini enables a single operator to easily create visually compelling productions for live event coverage, remote production feeds and more.

Multiple Input Sources Simultaneously

Users can switch between two HDMI inputs and two USB AV inputs as well as three simultaneous live IP sources including SRT streams, RTMP streams or up to two NDI[®] HX sources. File-based media assets including video, audio and images can also be combined freely with live sources.



Flexible Layouts and Powerful Production Tools

Director Mini's intuitive user interface is accessed through its integrated AMOLED touchscreen. Users can define multiple scenes that combine live video and audio inputs with network streams, media sources and graphics, then switch or transition between these scenes on the fly. Production tools including chroma keying, graphics and telestration further enhance your content.

High-quality Streaming and Recording

Director Mini can encode video up to 1080p at 60 frames per second and bitrates up to 30Mbps. Productions can be streamed via RTMP to popular platforms such as YouTube[™] Live, Facebook[™] Live, or custom destinations. SRT output supports high-quality remote production workflows, while NDI[®] HX3 output is ideal for local IP-based production. Content can also be recorded to an SD card, USB flash drive or the device's internal storage.

Director Utility App

The Director Utility app works as a remote assistant to provide remote configuration, audio controls, input switching, scoreboard control and more. The app can also turn the smartphone's camera into a streaming source as a mobile input to the Director Mini hardware, further enhancing the multi-camera production possibilities of the system.

Ideal for Production in the Studio or in the Field

Director Mini can be powered with the included power adapter but also supports two NP-F hot-swappable external batteries (not included), enabling it to be used anywhere and ensuring uninterrupted power for long productions. When one of the batteries runs down during the show, the device will automatically switch to the other one.





Product Info

Director Mini

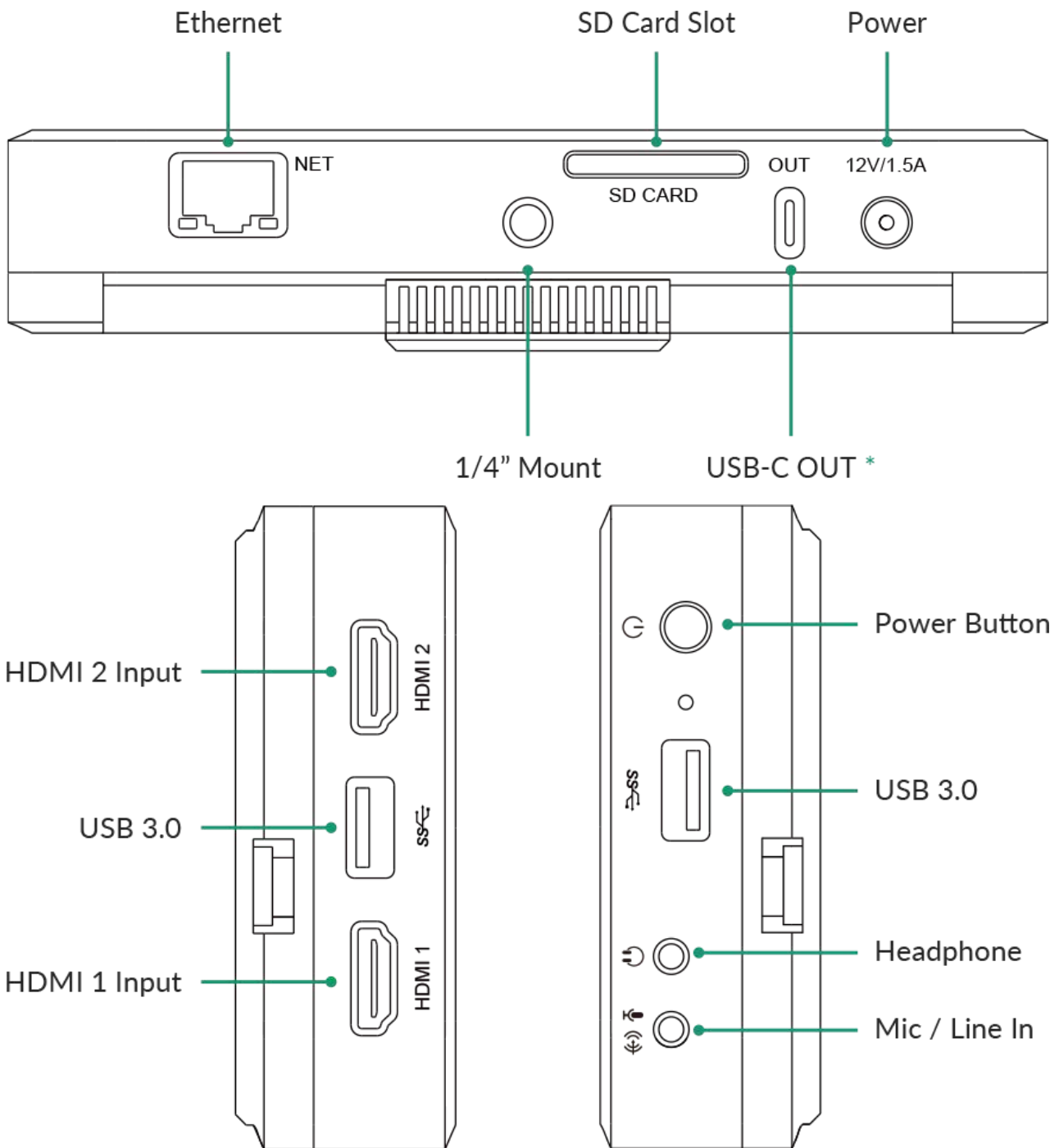
A portable device that does multi-input switching, graphics, streaming, recording and monitoring

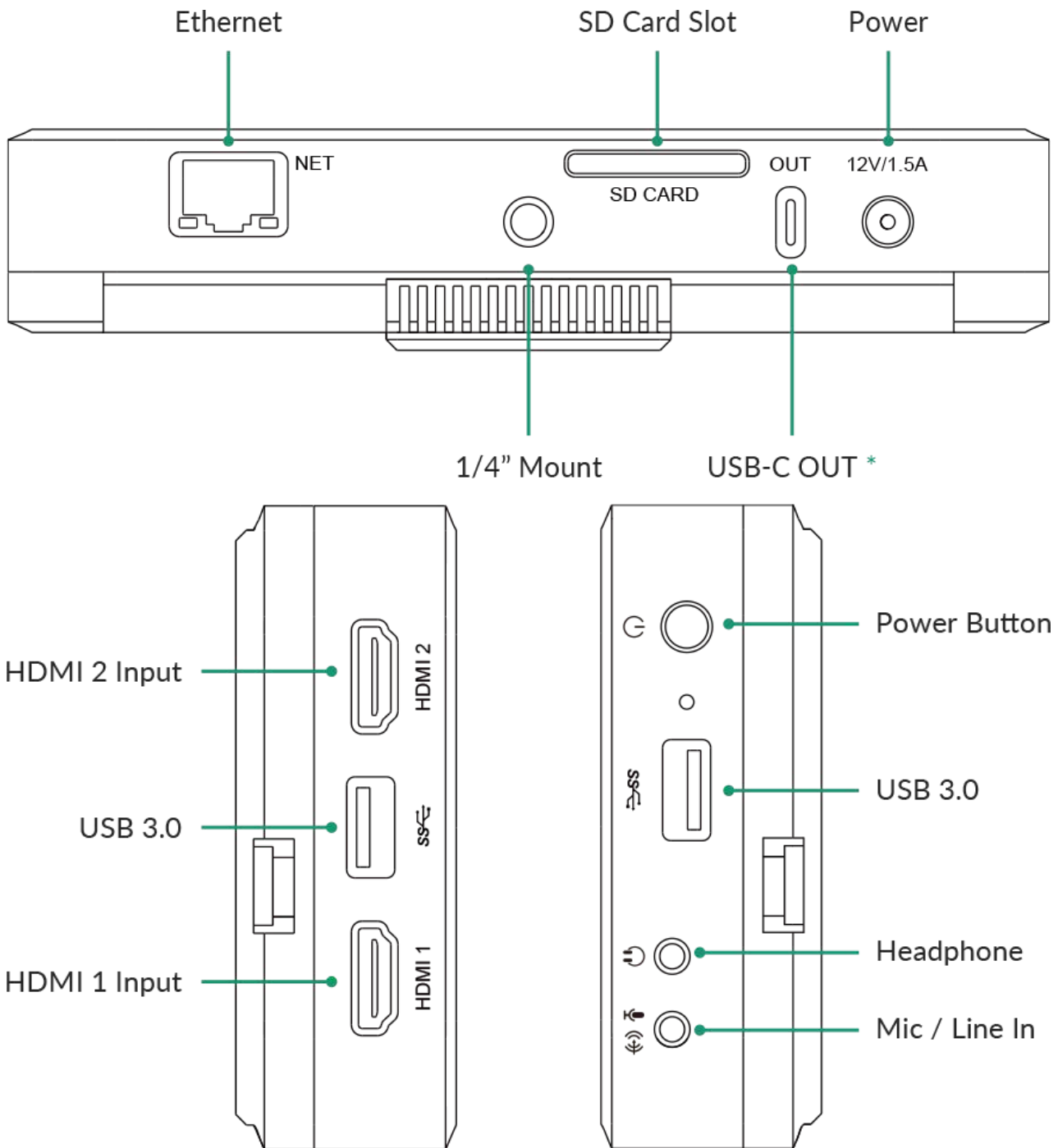
SKU: 551100000

- Supports flexible input sources ranging from AV and IP streams to media files
- Intuitive user interface and companion app for scene editing and creating shows

- Rich output possibilities including RTMP and SRT streams, NDI[®] HX3 and local displays

Interface





Specification and Features

Inputs

- Two HDMI inputs
- Two USB AV inputs
- Three simultaneous live IP sources (SRT, RTMP)
- Two NDI[®] HX2 or HX3 sources
- Mobile camera (via [Director Utility App](#))
- Media files (video, image, music, etc.)

Features

- Shows can be created in landscape (16:9) or portrait (9:16) mode
- A show can consist of multiple scenes
- Powerful production tools including chroma keying, graphics, telestration and more
- Display multiple graphics including titles, lower thirds, a scoreboard, timer, stopwatch and more

Streaming

- Stream via SRT, RTMP and NDI[®] HX3
- Stream to two destinations simultaneously at the same or different bitrates

Recording and screenshot

- Recording or screenshot files could be saved to local storage (64GB), SD card or USB flash drive
- Split recording files by time or size

Included Software

Director Utility App

Network

- Ethernet: 1x RJ45 port, 10/100/1000 Mbps Base-T
- WiFi: 2.4G/5G, Station and AP modes are both supported

Others

- 5.44" AMOLED capacitive touchscreen
- Warranty: 2 years for the whole device, 1 year for the screen
- Form factor: 147.2mm (L) x 90mm (W) x 28.5mm (H) or 5.79in (L) x 3.54in (W) x 1.12in (H)

MAGEWELL

Director Mini Technical Specifications

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Specifications are based on current hardware, firmware and software revisions, and are subject to change without notice.

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NDI[®] is trademark or registered trademark of NewTek Inc.

Revised on 15/09/2023

Video Input

- HDMI
 - Port: 2x HDMI 1.4 Type-A port
 - Typical resolution/frame rate:
 - 4096x2160p/3840x2160p 23.98/24/25/29.97/30/59.94/60
 - 1920x1080p 23.98/24/25/29.97/30/50/59.94/60
 - 1920x1080i 25/29.97/30
 - 1280x720p 23.98/24/25/29.97/30/50/59.94/60
 - 720x576p 50/100
 - 720x576i 25/50
 - 720x480p 59.94/60
 - 720x480i 29.97/30
 - Color depth: 8/10/12-bit
 - Color sampling: RGB 4:4:4, YCbCr 4:4:4, YCbCr 4:2:2
- USB
 - Port: 2x USB 3.0 Type-A port
 - Resolution/frame rate: Up to 1920x1080p, 60fps
 - Format: YUYV, MJPG, NV12
- Phone Camera
 - Connection mode: LAN
 - Resolution/frame rate: Up to 1080p, 60fps
- SRT stream
 - Resolution/frame rate: Up to 1080p, 60fps
- RTMP stream
 - Resolution/frame rate: Up to 1080p, 60fps
- NDI stream
 - NDI[®] HX2 or NDI[®] HX3
 - Resolution/frame rate: Up to 1080p, 60fps
- Video
 - Resolution: Up to 4K
 - Codec: H.264
 - Format: MOV/MP4
- Picture
 - Format: JPEG/PNG/BMP

Audio Input

- Mic/line in: 1x 3.5mm jack, 2-channel, 48 KHz, 16-bit
- Audio input from HDMI port: 2-channel, 48 KHz, 16-bit
- Audio input from USB port: 2-channel (only microphone supported)
- Audio input from phone microphone
- Audio from SRT stream
- Audio from RTMP stream
- Audio from NDI stream
- Audio embedded in video files
- Background music (BGM): MP3, M4A, WAV files

Video Output

- Streaming and recording
 - Resolution: 1080p, 720p, 540p, 360p (only for NDI)
 - Frame rate: 60fps, 30fps, 15fps
 - Bitrate:
 - NDI® HX3: up to 62.0Mbps, down to 1.5Mbps
 - Others: up to 30.0Mbps, down to 256kpbs
 - Key frame interval: customizable
 - Profile: High profile, Main profile, Baseline profile
 - Bitrate mode: VBR, CBR
- USB-C DP-OUT
 - Port: 1* USB 3.0 Type-C port
 - Resolution: 1920x1080
 - Frame rate: 60fps
 - Sampling format: RGB 4:4:4

Audio Output

- Streaming and recording: 2-channel, 16-bit, 48 KHz, aac, 64kbps/96kbps/128kbps
- Headphone output: 1x 3.5mm jack, 2-channel, 48 KHz, 16-bit
- Audio output via Bluetooth device: 2-channel, 48 KHz, 16-bit
- Audio output via USB-C OUT port: 2-channel, 48 KHz, 16-bit
- Audio output via USB-A port: 2-channel, 48 KHz, 16-bit

Features of USB-A Port

- Connect to a USB A/V device, such as webcam, USB microphone, USB speaker, etc.
- Connect to a USB flash drive
 - To transfer video, picture, audio and other media files, firmware update files, log files, etc.
 - Supported system format: FAT32, exFAT and NTFS

Features of USB-C OUT Port

- Connect to an external screen
 - Connection mode: Connect the device to a monitor with a USB-C to HDMI/VGA/DP adapter
 - A/V display mode options: Clean Program, Duplicate Screen, Loop HDMI 1, Loop HDMI 2
 - Image rotation: Rotate 90° to left, or rotate 90° to right
- Connect to a computer
 - Transfer video, picture, audio and other media files, firmware update files, log files, etc.

Network

- Supports Ethernet and WiFi
 - Ethernet: 1x RJ45 port, 10/100/1000 Mbps Base-T
 - WiFi: 2.4G/5G, Station and AP modes supported
- Supports Bluetooth for audio monitoring with Bluetooth devices
 - Bluetooth: BT 5.0

Features

- Show
 - Supports creating multiple shows in landscape (16:9) or portrait (9:16) mode, and manage them
- Scenes
 - Supports creating multiple scenes in a show, and managing them
 - Supports adding various sources, including HDMI, WEBCAM, video, picture, RTMP stream, SRT stream, phone camera, NDI stream, text and color
 - Supports multi-view composition in one scene
 - Provides lots of editing tools, including keyer, crop, transition, etc.
 - Supports switch scenes directly or preview at first and then switch
 - Supports switching scenes with an instant cut or fade effect.
- Audio
 - Supports displaying level and peak through audio meter
 - Supports adjusting the level of each input audio, output and monitor audio
 - Supports AFV (Audio-follow-video)
 - Supports solo monitor
 - Supports switching microphone device
 - Supports switching monitor device

- GFX
 - Supports multiple GFX types, including title, lower third, animated text, digital clock, analog clock, bullet list, social media, logo, scoreboard, timer, stopwatch, custom picture and text
 - Supports displaying multiple GFXs, and managing them
 - Supports controlling scoreboard, timer and stopwatch in real time
- BGM
 - Supports adding BGM for each scene and controlling in real time
- Pen
 - Annotates on the screen in real time
- PTZ control
 - Supports controlling PTZ camera via the network, supporting Visca UDP, supported sources including HDMI, WEBCAM (UVC camera), SRT stream, RTMP stream, and NDI stream
- Live stream
 - Natively supports streaming to YouTube, Twitch and Facebook Live
 - Supports streaming with SRT and RTMP protocols
 - Supports two NDI[®] HX3 outputs
 - Supports customizing encoding parameters and selecting the encoding source for ISO streaming
 - Supports streaming to two destinations simultaneously
 - Supports showing live comments when streaming to social media
- Record
 - Supports customizing encoding parameters and selecting the encoding source
 - Supports saving recording files in MP4 or MOV format to local storage or SD card
 - Supports saving screenshot files in PNG format to local or SD card
 - Supports splitting recording files by time or size, up to 1 hour or 4G
 - Supports exporting or downloading files through computer, SD card, USB flash drive, App, or Web UI

Director Utility App

- OS version: iOS 11 and later, Android 7.0 and later
- **Phone Camera:** Use a phone as a camera
 - Stream images taken by the phone to Director device
 - Stream images taken by the phone to a destination via SRT
- **Remote Assistant:** Control Director device remotely
 - Switch and manage scenes, set switch mode and effect, implement FTB, free scene, and control PTZ camera
 - Switch and manage GFX, edit GFX text and picture in real time, and control scoreboard, timer and stopwatch
 - Control audio, including adjusting audio level, switch microphone and monitor device, mute audio and monitor audio exclusively
 - Start/stop recording, take screenshots, and manage album files
 - Set streaming servers, start/stop streaming, view streaming status and speed, and view live comments
 - Control and manage BGM
 - View real-time device status
 - Power off the device remotely

Web UI

- Set and manage device
- Switch and manage scenes, set switch mode and effect, implement FTB, freeze scene, and control PTZ camera
- Switch and manage GFX, edit GFX text and picture in real time, and control scoreboard, timer and stopwatch
- Control audio, including adjusting audio level, switch microphone and monitor device, mute audio and monitor audio exclusively
- Start/stop recording, take screenshots and manage album files
- Set streaming servers, start/stop streaming, view streaming status and speed, and view live comments
- Control and manage BGM
- Control media files
- View real-time device status
- Supports registering Magewell Control Hub (V2.1.20 and later) for centralized management

Screen

- Size: 5.44"
- Type: AMOLED
- Aspect ratio: 16:9
- Resolution: 1920x1080
- Brightness: 350 nits
- Color depth: 8-bit
- Contrast ratio: 6000:1
- Color gamut: 105% NTSC

- Refresh rate: 60Hz
- Viewing direction: All
- PPI: 405
- Touchscreen: Capacitive
- Screen coating: Anti-fingerprint coating

Storage

- Local storage: 64 GB
- SD card (not supplied): FAT32 (Under 128G), NTFS, exFAT

Dimensions

- 147.2 mm x 90 mm x 28.5 mm

Power

- AC power
 - Power input: 12V/1.5A
 - Maximum power consumption: 15W
- Battery pack
 - 2x DC 7.4V (NP-F battery packs, not supplied)
 - Hot swappable

Battery Indicators

- QTY: 2
- Green: 50% - 100%
- Orange: 25% - 50%
- Red: <25%
- Off: depleted

Working Environment

- Operating temperature: -10 to 50 deg C (AC power)
- Storage temperature: -20 to 70 deg C
- Relative Humidity: 5% to 90% non-condensing