

Director Plus

Packing List

- 1* Director Plus
- 2* Wi-Fi Antennas
- 1* Screw Locking Power Adapter (12V/5A)
- 1* Sunhood Kit (with 2 thumb screws)
- 1* USB-C to USB-A Cable
- 1* USB-A to USB-C Adapter
- 1* Assembly Stand Kit (supports both portrait and landscape mounting, with 4 thumb screws)
- 1* Screen Cover

Technical Specifications

Revised on 03/27/2026

Video Input

- HDMI
 - Port: 4x HDMI 2.0 Type-A port
 - Typical resolution/frame rate:
 - 4096x2160p/3840x2160p 23.98/24/25/29.97/30/59.94/60 (Only available for HDMI 1 and HDMI 2)
 - 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: 1x USB 3.0 Type-A port, 2x USB 3.0 Type-C port
 - Format: YUYV, MJPG, NV12, UYUV, RGB24, H.264
 - Resolution/frame rate: Up to 4K 60fps
- Phone Camera
 - Connection mode: LAN, Wi-Fi
 - Codec: H.264, H.265
 - Resolution/frame rate: Up to 4K 60fps
- SRT Caller/Listener
 - Codec: H.264, H.265
 - Resolution/frame rate: Up to 4K 60fps
- RTMP Pull/Push
 - Codec: H.264
 - Resolution/frame rate: Up to 4K 60fps
- RTSP stream
 - Codec: H.264, H.265
 - Resolution/frame rate: Up to 4K 60fps
- NDI® stream
 - NDI HX2, NDI HX3, NDI High Bandwidth
 - Codec: H.264, H.265, SpeedHQ
 - Resolution/frame rate: Up to 4K 60fps or 2K 120fps
- Video
 - Resolution: Up to 4K
 - Codec: H.264, H.265
 - Format: MOV/MP4/WebM
- Picture
 - Format: JPEG/PNG/BMP
- Webpage
 - Supports adding up to 3 webpages as scenes and 7 webpages as GFXs

Audio Input

- Mic/Line in: 2x 3.5mm jack, 2-channel, 48kHz, 16-bit
- Audio input from HDMI port: Up to 8-channel, 192kHz, 24-bit
- Audio input from USB port: Up to 8-channel, 192kHz, 24-bit
- Audio input from Bluetooth device: 2-channel, 48kHz, 16-bit
- Audio input from phone
- Audio from SRT/RTMP/RTSP/NDI stream
- Audio embedded in video files
- Audio from a webpage
- Background music (BGM): MP3, M4A, WAV files
- Audio from GFXs: webpage, NDI and video
- Audio from an App

Video Output

- Streaming and recording
 - Codec: H.264, H.265
 - Resolution: 2160p, 1440p, 1080p, 720p, 540p, 360p*
 - * 360p is only available for NDI
 - Frame rate: 60/59.94/50/30/29.97/25/24/23.98/15 fps (Encoding options change along with the frame rate of the show.)
 - Bitrate:
 - NDI HX3: up to 110Mbps, down to 3Mbps
 - Others: up to 120Mbps, down to 256kpbs
 - Key frame interval: customizable
 - Profile:
 - H.264: High profile, Main profile, Baseline profile
 - H.265: Main profile
 - Level:
 - H.264: 5.2, 5.1, 5.0, 4.2, 4.1, 4.0, 3.2, 3.1, 3.0
 - H.265: 6.1, 6.0, 5.2, 5.1, 5.0, 4.1, 4.0, 3.1, 3.0
 - Bitrate mode: VBR, CBR
 - Color space: BT.709
- USB-C OUT
 - Port: 1* USB 3.0 Type-C port
 - Output mode: UVC 1.1/UAC 1.0, DP-OUT
 - Resolution: 3840x2160, 2560x1440, 1920x1080, 1280x720, 2160x3840, 1440x2560, 1080x1920, 720x1280
 - Frame rate: 60/59.94/50/30/29.97/25/24/23.98 fps
 - Sampling format: RGB24, YUYV, NV12, MJPEG
- HDMI OUT
 - Port: 2* HDMI 2.0 Type-A port
 - Resolution: 3840x2160, 2560x1440, 1920x1080, 1280x720
 - Frame rate: 60/59.94/50/30/29.97/25/24/23.98 fps
 - Sampling format: RGB 4:4:4, NV12

Audio Output

- Streaming and recording: 2-channel, 16-bit, 48kHz, aac, 64kbps/96kbps/128kbps
- Headphone output: 1x 3.5mm jack, 2-channel, 48kHz, 16-bit
- Audio output via Bluetooth device: 2-channel, 48kHz, 16-bit
- Audio output via USB-C port: 2-channel, 48kHz, 16-bit
- Audio output via USB-A port: 2-channel, 48kHz, 16-bit/24-bit/32-bit
- Audio output via HDMI OUT port: 2-channel, 48kHz, 16-bit

Features of USB-A Port and USB-C (IN) 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

- Connect to a USB keyboard for shortcuts

Features of USB-C OUT Port

- Nomal mode: Connect to USB devices, such as USB A/V devices, USB keyboard
- DP mode: 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: Program, Preview, Multi-view, Duplicate Screen, Loop HDMI 1/2/3/4, Loop Webcam, Loop Stream
 - Image rotation: Rotate 90° to left, or rotate 90° to right
 - Supports using an external touchscreen to control the device in the Duplicate Screen mode
- MTP mode: Connect to a PC to transfer video, picture, audio and other media files, firmware update files, log files, etc.
- UVC + UAC mode*: Connect to a PC to output audio and video to streaming software

* To transfer video at full frame rate, please use a USB 3.0 cable to connect the USB 3.0 port of your computer.

Features of HDMI OUT Port

- Connect to an external screen
 - A/V display mode options: Program, Preview, Multi-view, Duplicate Screen, Loop HDMI, Loop webcam, Loop stream, Loop App
 - Image rotation: Rotate 90° to left, or rotate 90° to right
 - Controlling the device via an external touchscreen: Connect the device with an external touchscreen via the HDMI OUT port and USB port and select the Duplicate Screen mode

Network

- Supports network bonding
- Supports Ethernet & WiFi
 - Ethernet: 1x RJ45 port, 10/100/1000/2500 Mbps Base-T
 - Wi-Fi: 2.4G/5G, Station and Hotspot modes supported
- Supports Bluetooth for audio input or output with Bluetooth devices, and also supports Bluetooth keyboard, etc.
 - Bluetooth: BT 5.3
- Supports USB tethering to share the Internet data connection of a mobile phone by connecting the phone with the device through a USB cable
- Indoor use only

Features

- Show
 - Supports creating multiple shows in landscape (16:9) or portrait (9:16) mode, and manage them
 - Supports selecting quality: 1080p, 1440p, 2160p
 - Supports creating shows at 60/59.94/50/30/29.97/25/24/23.98 fps
- Scenes
 - Supports creating multiple scenes in a show, and managing them
 - Supports adding various sources, including HDMI, WEBCAM, video, picture, RTMP/ SRT/RTSP/NDI stream*, phone camera, webpage, document, app, text and color
 - * It supports adding up to 10 simultaneous live IP sources (SRT, RTMP, RTSP, NDI® High Bandwidth, NDI® HX2, NDI® HX3) in one show.
 - Supports browsing and controlling webpage sources, document sources, and app sources
 - Supports multi-view composition in one scene, providing prebuilt layouts for easy creation
 - Provides lots of editing tools, including chromakey, crop, transition, etc.
 - Supports switch scenes directly or preview at first and then switch
 - Supports autoplay and VFA (Video-follow-audio) auto switch
 - Supports switching scenes with an instant cut or various effects, such as Fade, DIP, DVE, etc.
- Audio

- Supports displaying level and peak through audio meter
- Supports adjusting the level of each input audio, output and monitor audio
- Supports global or scene-based settings for audio input sources
- Supports AFV (Audio-follow-video)
- Supports solo monitor
- Supports switching monitor device
- GFX
 - Provides multiple GFX templates, including title, lower third, animated text, digital clock, analog clock, bullet list, social media, logo, scoreboard, timer, stopwatch, etc.
 - Supports custom GFX with Webpage source, NDI stream, HDMI source, Webcam source, video, picture, text or PAG (Portable Animated Graphics) file
 - 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
 - Supports adding global BGM via Web UI 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, RTSP stream and NDI stream
- Phone Camera control
 - Control the phone camera to zoom or focus, and supports more advanced settings
- Replay
 - Capture some of greatest moments, slow down the action and save highlights
- Live stream
 - Natively supports streaming to YouTube, Twitch and Facebook Live
 - Supports selecting RTMP or HLS protocol for streaming to YouTube
 - Supports starting a stream scheduled later for YouTube
 - Supports streaming via SRT, RTMP, RTMPS and RTSP protocols
 - Supports NDI HX3 output, supporting NDI Tally lights
 - Supports streaming to Restream
 - Supports customizing encoding parameters and selecting video source (Program, HDMI, WEBCAM, Multi-view) and audio source for ISO streaming
 - Supports streaming to four destinations simultaneously
 - Supports sending live comment as an overlay into the video feed when streaming to social media
- Record
 - Supports customizing encoding parameters
 - Supports ISO recording, to record four of different video sources simultaneously, or record multi-channel images with different quality for one source, combining different audio sources, and supported video sources include Program, HDMI, WEBCAM, Multi-view as well as IP stream and phone camera
 - Supports saving recording files in MP4 or MOV format to local storage, SD card, or USB SSD
 - Supports saving screenshot files in PNG format to local storage, SD card, or USB SSD
 - Supports splitting recording files by time or size, up to 4 hours or 16G
 - Supports exporting or downloading files through computer, SD card, USB flash drive, App, or Web UI
- Shortcut
 - Supports connecting USB or Bluetooth keyboards and creating shortcuts for easy control

Third-party Apps

- Supports running up to 3 third-party apps, including but not limited to video editing apps, social media apps, document apps
- Main program live image can serve as a virtual webcam input to third-party apps
- Third-party apps can be used as audio/video source input to main program

Director Utility App

- **OS version:** iOS 13 and later, Android 7.0 and later
- **Remote Assistant:** Control Director device remotely
 - View live program image
 - Switch and manage scenes, set switch mode and effect, implement FTB, freeze scene, and control PTZ camera and phone 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 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 send live comment as overlay
 - Control replay and share event files to other apps
 - Control and manage BGM

- Create, manage and execute shortcuts functions
- View input information
- View real-time device status
- Power off the device remotely
- **Phone Camera:** Use a mobile device (phone or tablet) as a camera
 - Stream images taken by the mobile device to Director device
 - Record images taken by the mobile device to its local storage
 - Stream images taken by the mobile device to a destination via SRT
 - Supports Pro Mode to customize white balance, ISO, exposure, focus, etc.
 - Supports selecting the USB camera connected to the iPad with a USB-C port (iPadOS 17 and above)
- **Screen Casting:** Share the screen of the mobile device to the Director device
- **External Screen:** Suitable for tablets equipped with a USB-C interface (USB 3.0 and above). For iPads, iPadOS 17 and above are required.
 - Display different images including program, preview, multi-view, duplicate screen, loop HDMI, loop Webcam, and loop stream
 - Record or take screenshots of the displayed content and save them to the tablet
 - Control the device via the tablet using the “Duplicate Screen” function

Web UI

- Set and manage device, view input information, configure networks, update firmware, etc.
- Preview and monitor the show, switch and manage shows, scenes and GFXs, control audio, set shortcuts, send live comment as overlay, control replay, etc.
- Set encoding parameters
- Set streaming servers, start/stop streaming, view streaming status
- Start/stop recording, take screenshots and manage album files
- Control and manage global BGM and scene's private BGM
- Manage media files
- Supports registering Magewell Control Hub (V2.1.81 and later) for centralized management
- System requirement: Windows 10 19H1 and above, macOS 10.12 and above, Linux

Magewell Director Plugin for Stream Deck

- Control Director device effortlessly at fingertips to enable efficient creative production

API

- Provides basic APIs for 3rd party control system

OSC

- Supports OSC for 3rd party Apps to control the device

Screen

- Size: 7"
- Type: AMOLED
- Aspect ratio: 16:9
- Resolution (dot): 1920(W)x1080(H)
- Brightness: 800nit
- Contrast ratio: 100000:1
- Color gamut: 100% NTSC
- sRGB: 145%
- DCI-P3: 105%
- Color depth: 10-bit
- PPI: 315
- Refresh rate: 60Hz, 50Hz
- Touchscreen: Capacitive
- Viewing direction: All
- Screen coating: Anti-fingerprint coating

Storage

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

Physical Specifications

- Form factor: 185.2 mm x 117.2 mm x 32.8 mm
- Weight: TBD

Power

- AC power
 - Power input: 12V/5A
- Battery pack
 - 2x DC 7.4V (NP-F battery packs, not supplied)
 - Hot swappable
- Power consumption:
 - No-load: ≈14W
 - Full-load: ≈29W

LED Lights

Each battery has four LED lights which can be set as battery indicators or NDI tally lights.

- Battery indicators (default)
 - 4* Green: 75% - 100%
 - 3* Green: 50% - 75%
 - 2* Green: 25% - 50%
 - 1* Red: <25%
 - Off: depleted
- NDI tally lights
 - Red: the NDI streaming signal is in PGM view.
 - Green: the NDI streaming signal is in PVW view.

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

Notice

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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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This device has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This device generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this device does cause harmful interference to radio or television reception, which can be determined by turning the device off and on, the user is encouraged to try to correct the interference by one or more of the following measures: –Reorient or relocate the receiving antenna. –Increase the separation between the device and receiver. –Connect the device into an outlet on a circuit different from that to which the receiver is connected. –Consult the dealer or an experienced radio/TV technician for help

Radiation Exposure Statement

The antennas used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located for operating in conjunction with any other antenna or transmitter.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment