

## D7634

### Full HD Streaming Encoder Host



## Description

To ensure stable operation of the encoder device, the host adopts an embedded architecture and does not support server or PC architecture. The host integrates recording, live streaming, video management, user management, digital audio, and amplifier functions into a single unit. It supports remote management via the paperless system web interface. The encoder host is designed to be aesthetic, practical, and easy to install, with a height of  $\leq 1U$ . The front panel includes a 2-inch LCD display that shows the device model, IP address, operational status, temperature, date and time, and hard disk space. Users can configure network settings and system time directly from the panel. The host operates on 12V DC power.

## Features

- Supports 6 SDI HD inputs, 2 HDMI inputs, 1 VGA input, 1 HDMI output, 1 VGA output, and 2 USB ports (all interfaces are native, no adapters supported). Video resolution supports 1920×1080, downward compatible.
- Supports recording of HDMI video streams.
- Equipped with 3 LED indicators for real-time monitoring and server status warning: Power LED: On when powered; HDD LED: Blinks during disk read/write; RUN LED: Blinks when program is running.
- Supports custom recording layouts.
- Additional interfaces: 2 RS232, 2 RS485, 1 level control I/O, 1 Gigabit Ethernet + 1 optical port for dual network backup, 2 USB ports.
- Supports RTSP/RTMP streaming to third-party platforms.
- Features automatic repair of recorded files in case of unexpected power or network failure.

## Specifications

| Model            | D7634                                                                                                                            |
|------------------|----------------------------------------------------------------------------------------------------------------------------------|
| Chassis Material | 1.2 mm thick anodized metal housing with black speckled finish; rugged SGCC structure with dust-proof and shock-resistant design |
| Mounting         | Rack Mount Installation                                                                                                          |

|                                |                    |
|--------------------------------|--------------------|
| Color                          | Black              |
| Dimensions (L × W × H)         | 430 × 330 × 42 mm  |
| Power Requirement              | DC 12V, 5A adapter |
| Power Consumption              | 25 W               |
| Gross Weight                   | 6 kg               |
| Net Weight                     | 5 kg               |
| Package Dimensions (L × W × H) | 530 × 485 × 120 mm |

## Front / Rear Panel

### Front Panel



#### 1. Power Button

When the device is powered off, the power LED is off. When powered on and the device is running, the power LED is solid blue. When powered on but the device is shut down, the power LED is solid red.

#### 2. USB Ports

The host has 2 USB ports: the upper port is USB 3.0, and the lower port is USB 2.0. These ports are used for connecting keyboard, mouse, or USB storage devices.

#### 3. Right Button

Used for LCD interface operation; pressing right navigates to the next menu or moves the cursor to the right.

#### 4. Down Button

Used for LCD interface operation; pressing down moves the cursor downward or adjusts values.

#### 5. Left Button

Used for LCD interface operation; pressing left returns to the previous menu or moves the cursor to the left.

#### 6. LCD Screen

Displays information about the recording and streaming host.

#### 7. Home Button

Used for LCD interface operation; pressing returns directly to the main menu.

#### 8. Up Button

Used for LCD interface operation; pressing up moves the cursor upward or adjusts values.

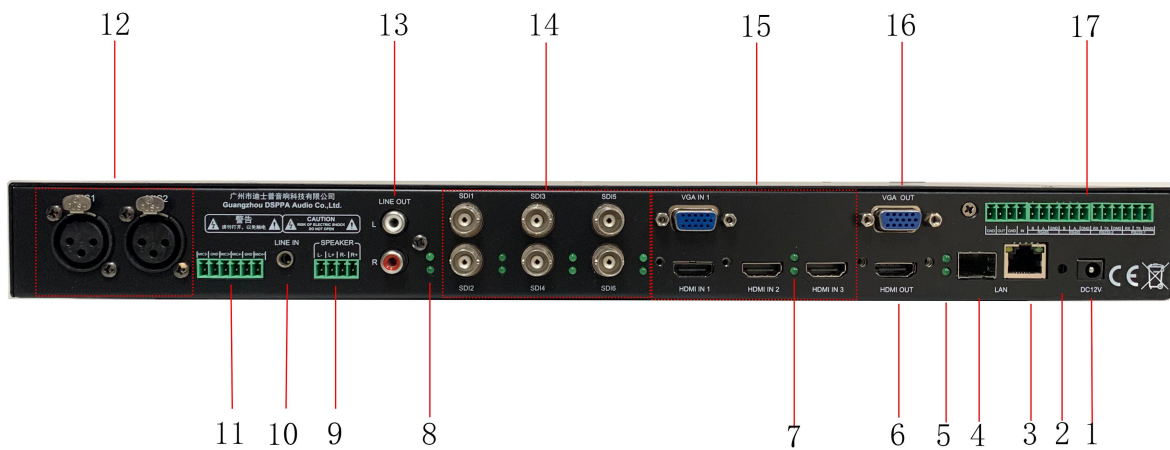
#### 9. OK Button

Used for LCD interface operation; pressing selects the next menu or confirms changes.

#### 10. LED Indicators

Includes RUN, REC, and HDD LEDs. RUN LED: Solid on indicates the encoder host is running. REC LED: Solid on indicates the encoder host is recording. HDD LED: Blinking indicates the hard disk is reading or writing data.

## Rear Panel



### 1. Power Socket

DC 12V power input. When connecting, first connect the power cord to the device, then to the mains.

### 2. Reset Button

Press and hold for 5 seconds to restore factory settings. (Default IP: 192.168.1.2, Subnet Mask: 255.255.255.0, Gateway: 192.168.1.1)

### 3. Ethernet Port

Network communication port for connecting to a switch.

### 4. Optical Communication Port

Supports fiber communication (optical module sold separately).

### 5. Optical Port LED

Lights up when the device communicates via optical fiber.

### 6. HDMI Output

Supports HDMI output to display the host's local director interface or PGM output interface. Resolution is adjustable. (Default: PGM output interface, 1080P60)

### 7. Video Input Signal LED

Indicates the status of 2 HDMI inputs and 1 VGA input. The LED is on when a signal is present and off when no signal is detected.

### 8. SDI Signal LED

Indicates the status of 6 SDI inputs. The LED is on when a signal is present and off when no signal is detected.

### 9. Amplifier Output

Amplifier output with 2 × 15 W power. For monitoring room sound reinforcement only.

### 10. Line Input

For connecting external audio sources.

### 11. Phoenix Microphone Sockets (MIC3, MIC4)

For microphone connection. (Not activated)

### 12. XLR Microphone Sockets (MIC1, MIC2)

For microphone connection with 48V phantom power support.

### 13. Line Output

Connect to external audio amplification devices.

### 14. SDI Signal Source

Outputs 6 SDI input signals (SDI1–SDI6), supporting 1920×1080 resolution, suitable for connecting cameras or other devices.

### 15. Video Input Signal Source

Supports 2 HDMI inputs and 1 VGA input with 1920×1080 resolution.

### 16. VGA Output

Supports VGA output to display the host's local director interface or PGM output interface. Resolution is adjustable. (Default: local director interface, 1080P60).

### 17. Control Interfaces

Supports bidirectional RS232/RS485 control (IO ports not activated).