

# Intelligent cloud interactive recording & broadcasting system

HRC650



## DESCRIPTION:

Heinrich's HRC650 Intelligent Cloud Interactive Recording and Broadcasting System offers a comprehensive solution for smart classrooms. Designed with an integrated hardware architecture and powered by an embedded Linux operating system, this system is capable of seamlessly handling audio and video recording, image acquisition, recognition, and tracking, as well as automatic broadcasting, live streaming, on-demand content delivery, and more. This versatile platform caters to a wide range of applications, including conference recording, training and learning sessions, and interactive teaching environments.

## FEATURES:

- Integrated Hardware: All-in-one device for seamless operation.
- Embedded Linux OS: Reliable and efficient system foundation.
- Versatile Functionality: Handles recording, broadcasting, tracking, and more.
- B/S Architecture: Web-based management for easy access.
- High Security: Ensures data protection and copyright control.
- Audio: AAC high-definition encoding for clear sound.
- Video: H.264 encoding with adjustable bitrate (256kbps-12Mbps) and resolutions (1920x1080, 3840x2160).
- Tracking: Self-developed algorithms for accurate facial tracking (90% accuracy).
- Storage: 2TB storage for up to 2000 class hours of recordings.
- Interface: 2.2-inch LCD screen for system information and status.
- Control: Shortcut keys for quick recording, stopping, broadcasting, and copying.
- Automatic Navigation: Seamless switching between cameras or sources.
- Live Streaming: Real-time broadcast for remote access.
- On-Demand Content: Access recorded content at any time.
- Group Management: Organize and manage different user groups.
- Scheduled Recording: Automate recording tasks based on time or events.
- Central Control Management: Monitor and control multiple devices from a central location.

# Intelligent cloud interactive recording & broadcasting system

## SPECIFICATION:

|                                |   |
|--------------------------------|---|
| <b>Model</b>                   | <b>HRC650</b>   |
| <b>Video protocol</b>          | H.264   |
| <b>Code stream</b>             | 256Kbps~12Mbps  |
| <b>Video output format</b>     | MP4/MOV/MKV/FLV/AVI/TS  |
| <b>Audio protocol</b>          | AAC   |
| <b>Live broadcast protocol</b> | Support TS, RTSP, RTP and RTMP real-time protocol streams   |
| <b>Network protocol</b>        | Support TCP, UDP, RTMP, RTSP, FTP, DHCP, HTTP protocol  |
| <b>Video input interface</b>   | 4-channel SDI high-definition video interfaceS, 3-channel HDMI high-definition video interfaces       |
| <b>Video output interface</b>  | 3-channel HDMI high-definition video interfaces   |
| <b>Input resolution</b>        | 3840x2160P30fp, 1920x1080P60/P50/I60/I50/P30/P25fps<br>3840x2160P30fp, 1920x1080P60/P50/P30/P25fps,   |
| <b>Output resolution</b>       | 1280x720P60/P50/P30/P25fps, 720X576P60/P50/P30/P25fps   |
| <b>Audio input interface</b>   | 2-channel Phoenix terminal interfaces, 1-channel HDMI audio interface                                 |
| <b>Audio output interface</b>  | 1-channel Phoenix terminal interface, 1-channel 3.5mm audio interface, 1-channel HDMI audio interface |
| <b>Network port</b>            | 2-channel Gigabit Ethernet ports  |
| <b>USB interface</b>           | 5-channel USB 2.0 interfaces  |
| <b>Control port</b>            | 5-channel RS-232 interfaces, 1-channel RS-485 interface   |
| <b>Panel button</b>            | 1×switch button, 4×function buttons   |
| <b>Indicator light</b>         | 3×LED indicators  |
| <b>Storage</b>                 | 2TB   |
| <b>Power supply</b>            | DC 24V/5A   |
| <b>Power consumption</b>       | 45W   |
| <b>Weight</b>                  | 2.25kg  |
| <b>Size</b>                    | 440×295×53.8mm (L×D×H)  |
| <b>Operating temperature</b>   | -10°C~55°C (Well-ventilated ambient temperature)  |
| <b>Operating humidity</b>      | 20%~80% relative humidity, no condensation  |

**Disclaimer:** As per our company policy one of the constant product improvements the right is there for reserved to modify the product specification without prior notice and the picture shown in the datasheet is a design base, the actual picture may vary.