

CONFERENCE RECORDING · LIVE STREAMING · H.264 / H.265

Streaming & Broadcasting System

4× HDMI in · 4K capture · dual video output · embedded Linux

BR-CRS03 / 04

The BR-CRS03/04 is an integrated conference recording and broadcasting appliance that brings recording, live streaming, video-on-demand, intelligent director control and storage together in a single unit. Built on a pure embedded hardware architecture for high stability, it uses H.264/H.265 encoding across four HDMI inputs at 1080P@60fps, with two video outputs driving playback displays or feeding other systems such as videoconferencing codecs. Recording and live broadcast run simultaneously in both movie and resource modes, and the screen supports picture-in-picture as well as 1/2/3/4 split-screen display and recording. A mouse, monitor and director console connect locally for on-site production.

**4K UHD
CAPTURE****4× HDMI
INPUT****H.264 /
H.265****1 TB
STORAGE****RTMP / RTSP
LIVE****FRONT PANEL** — POWER SWITCH / STATUS LCD**REAR PANEL** — AUDIO I/O / 4× HDMI IN / HDMI & VGA OUT / NET / USB / RS232-485 / DC 12V

FEATURES /

01 Pure Embedded Architecture

Hardware and software are integrated on a fully embedded platform, giving stable, reliable operation without a host PC.

02 End-to-End 4K

4K and 1920×1080 supported through the whole chain — capture, recording and output.

03 Advanced Compression

H.264 / H.265 video compression keeps file sizes and stream bitrates low without sacrificing image quality.

04 Multi-Channel Synchronous I/O

Up to 4-channel 4K / 1080P synchronous capture and recording, with 2-channel 4K / 1080P synchronous output.

TYPICAL APPLICATIONS /

01**Conference &
board rooms****02****Lecture capture &
training rooms****03****Courtrooms &
council chambers****04****Houses of
worship****05****Studio & event
live production**

INTERFACES /

CONNECTORS & CONTROLS

HDMI IN 1-4	4K / 1080P60 signal input; supports four simultaneous video inputs
HDMI OUT	4K / 1080P60 signal output — director interface or PGM, software selectable
VGA OUT	4K / 1080P60 signal output — director interface or PGM, software selectable
Line in / Mic in	Line in: unbalanced audio input connector Mic in: balanced audio input connector
Line out 1 / Line out 2	Unbalanced audio output connectors
Monitor	3.5 mm headphone jack for monitoring PGM channel audio
NET	1000M network port for device networking
USB 2.0	Connects USB mouse, flash drive, removable hard drive and similar peripherals
RS232 / RS485	Control serial ports for an external central control unit or director console
Power	Equipment power switch
LCD screen	Recording status, channel status, network information, storage space and logo display
DC-12V	Power connector

TECHNICAL PARAMETERS /

VIDEO & AUDIO

Video input	3 / 4 × HDMI (model dependent)
Max. input resolution	3840 × 2160
Video output	1 × HDMI, 1 × VGA
Video encoding	H.264 / H.265
Video output format	MP4
Frame rate	1 – 30 fps
Video bitrate	500 kbps – 40 Mbps, adjustable
Audio input	2 × line in, 3-pin Phoenix terminal
Audio output	2 × line out, 3-pin Phoenix terminal; 1 × 3.5 mm monitor jack
Audio encoding	AAC
Audio bitrate	8 – 128 kB, adjustable

SYSTEM, STORAGE & POWER

System architecture	Embedded Linux
Data storage	Built-in 1 TB hard drive, expandable
Storage mode	Built-in drive, external USB storage, USB export, FTP download
Network	1 × 1000M RJ-45 port
Protocol support	RTMP, RTSP, UDP, TCP, FTP, DHCP, HTTP
USB port	2 × USB 2.0, supports direct recording
RS485	3 sets, 3-pin Phoenix terminal connector
RS232	1 set, 3-pin Phoenix terminal connector
Software upgrade	Network upgrade supported
Operating power	DC 12 V / 3 A
Equipment size	1U rackmount
Certifications	CE, FCC, RoHS

CAUTION

- Keep the equipment away from dripping water; do not place liquid-filled articles such as vases on the unit.
- The power switch is monopole. Unplug the unit if it will not be used for a long period; the switch is on when the power indicator is lit.
- There are no user-serviceable parts inside. To avoid electric shock, do not remove the cover. For service, contact your sales agent.
- Product appearance is subject to the material object. Specifications may be modified without prior notice; refer to the user manual for full details.

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