

Matrix

Control room solution



Key Features

- Rackmountable industrial design
- Can drive 16 HDMI screens
- Support unlimited network cameras
- Up to 8 slots for mounting decoding modules
- Support 4K, 1080P, 720P and D1 video format

Features

- Support standard H.265, H.264, MPEG4
- Support for network media, ONVIF, RTSP data input
- Each card can support 2ch HDMI output, every odd output support 4K output
- Single module support 4ch at 4K or 32ch at 1080P or 64ch at 720P decoding and display
- Support video-splitting output, or 5x5 windows maximum on one monitor

Specifications

Interface Parameter

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|--------------|---|
| HDMI input | 1CH HDMI input per card, support 4 signal input |
| CVBS input | 4CH CBVS input per card, BNC port |
| HDMI output | 2 CH per card, odd port support 4K output |
| Ethernet | 100M/1000M adptive RJ45 port |
| Audio input | 1ch, Φ 3.5 earphone socket |
| Audio output | 1ch, Φ 3.5 earphone socket |
| Alarm output | Support (rack construction) |
| USB2.0 | Support |
| RS232 | Support |

Video Parameter

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|-------------------------------|---|
| Network video decoding | H.265,H.264,MPEG4 |
| Network video input | 4K, 1080P, 1080I, 720P, D1 |
| HDMI output resolution | 1024×768P@60Hz,1280×720P@60Hz 1366×768P@60Hz,1920×1080P@60Hz 3840×2160@60Hz |
| Video decode and display | One module support 4CH 4K or 16ch 1080P@30hz or 32ch 720P or 64ch D1 |
| Monitor splicing | 48 monitor splicing(rack construction) |
| Monitor splitting and display | Support 4/9/16/25 splitting and display |
| OSD | Supports Chinese/English OSD character superposition, time display, Monitor No. display, support titles overlaying, Maximum 16 titles overlay in one screen, maximum 40 characters per title, alarm information display |
| Audio Codec. | G.711, G.726, ADPCM Audio encode/decode |
| On/Mute | Supports all channels and single channel quick setting individually |
| Audio input | One module support 1CH audio encode, it can be set to open/close audio input |

Management and Maintenance

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|-------------------------------------|--|
| Basic function | Multi-user login/logout, Maximum supports 72 users online at same time, operation permission definition Supports video switching and controlling Support Segmentation display mode management Automatic inspection, setting and call Supports rollback playing |
| System management and configuration | PETNET protocol available, support web configure, configuration upload and reload, operation permission setting and management |
| Maintenance | System log available Fault detection and report support online updating |

Other

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|--------------------------------|---|
| Time synchronization | Interior RTC, it could time automatic synchronization, offer standard port, to keep sync. To time server inside the system |
| Alarm input | Support network alarm input |
| Alarm output | One module can provide with 1CH alarm switching value output and network alarm output |
| Alarm Processing | Multiple alarm event processing mode |
| Screen control | Video screen control port available |
| Best resolution identification | Support best resolution identification |
| Power supply | One module Power supply: DC 12V Chassis power supply: AC 220 |
| Power consumption | One module 15W |
| Working temperature | 0~55 °C |
| Working humidity | 10%~90% |
| Structure | standard structure design |
| Dimensions | 492x156x248mm |

Models

| PART No. | MODEL |
|----------|------------|
| 1701001 | CB-IPMA-04 |
| 1701003 | CB-IPMA-08 |
| 1701005 | CB-IPMA-16 |

Components

