

DATASHEETS
Decoders

Matrix decoder

Module decoder for Matrix



Key Features

- Plug and play
- Can drive up to 2 HDMI screens
- Support unlimited network cameras
- Support 4K, 1080P, 720P and D1 video format

Features

- Support standard H.265, H.264, MPEG4
- Support for network media, 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

Product Nr. 1702003

Interface Parameter

| | |
|--------------|---|
| 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

| | |
|-------------------------------|---|
| 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 |

Standalone decoder

Control room solution



Key Features

- Can drive up to 2 HDMI screens
- Supports unlimited network cameras
- Supports 4K, 1080P, 720P and D1 video format
- Supports video-splitting output, or 5x5 windows maximum on one monitor
- Supports standard H.265, H.264, MPEG4
- Supports network media, RTSP data input

Specifications

Small factor standalone decoder that supports up to 2 monitors and up to 32 cameras display on each.

Specifications

| | |
|-------------|---------|
| Product Nr. | 1701007 |
|-------------|---------|

Interface Parameter

| | |
|--------------|----------------------------------|
| HDMI output | 2 CH, odd port support 4K output |
| Ethernet | 100M/1000M adaptive RJ45 port |
| Audio input | 1ch, Φ 3.5 earphone socket |
| Audio output | 1ch, Φ 3.5 earphone socket |
| USB2.0 | Support |
| RS232 | Support |

Video Parameter

| | |
|-------------------------------|---|
| 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 | Supports 4CH 4K or 16ch 1080P@30hz or 32ch 720P |
| Monitor splicing | 2 monitor splicing |
| Monitor splitting and display | Supports up to 32 splitting and display |
| OSD | Supports English OSD character superposition, time display, Monitor No. display, 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 | Supports 1CH audio encode |

Management and Maintenance

| | |
|-------------------------------------|--|
| Basic function | Multi-user login/logout, supports up to 72 concurrent users operation permission definition. Supports video switching and controlling. Supports 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 Supports online updating |

Other

| | |
|--------------------------------|---|
| Alarm Processing | Multiple alarm event processing mode |
| Screen control | Video screen control port available |
| Best resolution identification | Supports best resolution identification |
| Power supply | Chassis power supply: AC 220 |
| Power consumption | One module 15W |
| Working temperature | 0~55 °C |
| Working humidity | 10%~90% |
| Structure | Standard structure design |
| Dimensions | 158x36x126mm |



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