

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, 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

Product Nr. 1702003

### Interface Parameter

HDMI output	2 CH per card, odd port support 4K output
Ethernet	100M/1000M adaptive RJ45 port
Audio input	1ch, $\Phi$ 3.5 earphone socket
Audio output	1ch, $\Phi$ 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, ONVIF, 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
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### Interface Parameter

HDMI output	2 CH, odd port support 4K output
Ethernet	100M/1000M adaptive RJ45 port
Audio input	1ch, $\Phi$ 3.5 earphone socket
Audio output	1ch, $\Phi$ 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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