

DHI-VDC0400EH-N70

Dahua 0.5U VMP DECODING CARD



Series Overview

The Video Matrix Platform delivers a next-generation, telecom-grade video processing solution. In addition to being developed with a robust ATCA framework (Advanced Telecom Computing Architecture), this platform also has a modular design with a card-based structure that allows its input and output cards to be flexibly configured to suit your specific needs. This powerful platform efficiently acquires various types of signal sources, performs audio and video encoding, accesses network signals, and decodes and transmits videos to the video wall. It also features advanced functions such as matrix switching, plan management, video splicing, window roaming, and live video. Its versatility allows it to be effectively utilized in command centers, monitoring stations, conference rooms, exhibition halls and more locations.

- Outputs signals through 4 ports, including 2 HDMI 2.0 ports and 2 HDMI 1.3 ports.
- Supports decoding videos in H.265, H.264, MJPEG, SVAC and MPEG2 formats.
- Decodes videos in 32 MP, 16 MP, 12 MP, 8 MP, 5 MP, 3 MP, UXGA, 1080p, 720p, D1, HD1, 2CIF, CIF and QCIF.
- Supports performing real-time decoding of network videos based on the following capabilities: 3-ch 32 MP@30 fps, 60-ch 2 MP@30 fps, and 100-ch D1@30 fps.
- Supports 1, 4, 6, 8, 9, 16, 25, and 36 splits, and M × N custom split.
- Outputs to the following resolutions through the HDMI port: 4096 × 2160@60 Hz, 3840 × 2160@60 Hz, 4096 × 2160@24 Hz, 3840 × 2160@30 Hz, 2080 × 1560 @60 Hz, 2048 × 1152@60 Hz, 1920 × 1200@60 Hz, 1920 × 1080@60 Hz, 1280 × 1024@60 Hz, 1280 × 720@60 Hz, and 1024 × 768 @60 Hz.
- You can customize the output resolution, but the width and height must not exceed the highest default resolution of the system.
- Connects to small-pitch LEDs.
- Supports splicing together multiple screens.

Scene

Suitable for command centers, monitoring centers, operation centers, digital exhibition halls and more scenes.

Technical Specification

Board

Applicability	The video decoding card VDC0400EH-N70 is specifically designed for the N70 series.
Port	
HDMI	4 output ports, including 2 HDMI 2.0 ports and 2 HDMI 1.3 ports.
Type-C Port	1 Type C port

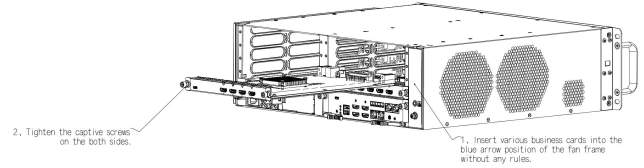
Function

Video Decoding Resolution	Decodes videos in 32 MP, 16 MP, 12 MP, 8 MP, 5 MP, 3 MP, 1080p, UXGA, 720p, D1, HD1, 2CIF, CIF and QCIF. Only H.265 supports decoding videos in 32 MP, 16 MP and 12 MP.
Video Output Resolution	The maximum output resolution is 2-ch 4096 × 2160@60 Hz and 2-ch 1920 × 1080@60 Hz. Only the first 2 HDMI ports can output videos in 4096 × 2160@60 Hz. You can customize the output resolution.
Video Format	Supports decoding the videos in the following compression formats: H.265, H.264, MJPEG, PEG4, SVAC and MPEG2.
Decoding Capability	Supports decoding up to 100 channels. It can decode 3-channel videos in 32 MP@25 fps, 48-channel videos in 2 MP@25 fps, or 100-channel videos in D1@25 fps at a time. In this mode, the decoding windows cannot span multiple screens, and intelligent rules for displaying performance data must be disabled.
Multi-screen Display	Supports 1, 4, 6, 8, 9, 16, 25, and 36 splits, and M × N custom split.

General

Operating Temperature	-10 °C to +55 °C (+14 °F to +131 °F)
Operating Humidity	10%–90% (RH), non-condensing
Storage Temperature	-10 °C to +55 °C (+14 °F to +131 °F)
Storage Humidity	10%–90% (RH), non-condensing
Product Dimensions	306.2 mm × 199.3 mm × 22.4 mm (12.06" × 7.85" × 0.88") (L × W × H)
Packaging Dimensions	377 mm × 258 mm × 87 mm (14.84" × 10.16" × 3.43") (L × W × H)
Gross Weight	1.1 kg (2.43 lb)
Net Weight	1.0 kg (2.20 lb)
Series	N70
Type	Video output card

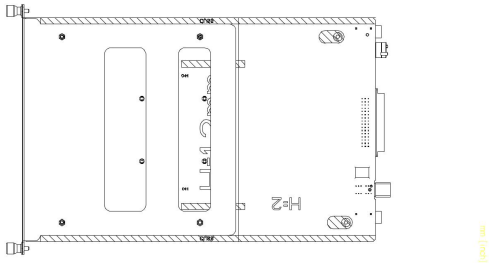
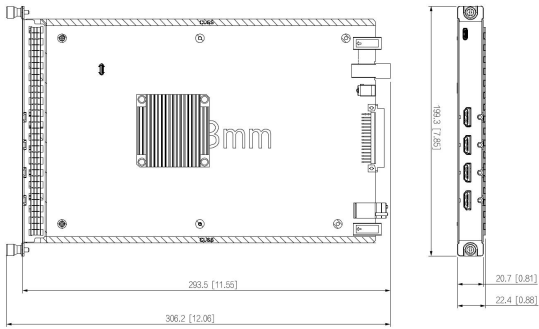
Installation



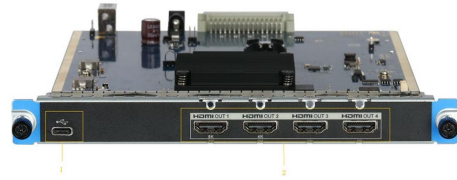
Ordering Information

Type	Model	Description
VMP DECODING CARD	DHI-VDC0400EH-N70	Dahua 0.5U VMP DECODING CARD

Dimensions (mm[inch])



Panels



- 1 Type-c port
- 2 HDMI output port

Application

