DAHUA TECHNOLOGY

1-channel Distributed Encoder Box

- Supports 1-channel DP and HDMI 1-channel HDMI independent collection and 4K resolution
- H.265 real-time encoding
- Powerful 10/100/1000M self-adaptive Ethernet interface
- Compatible with TCP, IP, RTP, RTSP, HTTP, TCP, UDP, DHCP, NTP network protocols
- Remote reboot/upgrade/default setting operations
- Provides SDK, demo software, and development manual
- 1-channel HDMI and HDMI loop output
- Uses two (2) redundant power input channels: PoE and 12 VDC

Functions

System

Processor	High-performance Industrial Micro Processor
Operating System	Embedded LINUX

Interface

Video	Input	• One (1) HDMI 1.4 (Supports DVI with converter) • One (1) DP
	Output	• One (1) HDMI 2.0 (Left) (Reserved, Non-functional) • One (1) HDMI Loop
Audio Input		• One (1) Embedded HDMI and DP • One (1) 3.5 mm Jack
Intercom	Input	One (1) 3.5 mm Microphone Jack (Reserved, Non-functional)
	Output	One (1) 3.5 mm Earphone Jack (Reserved, Non-functional)
Alarm	Input	Two (2) Channels (Reserved, Non-functional)
	Output	Two (2) Channels (30 VDC 1A,125 VAC 0.5A Linkage) (Reserved, Non-functional)
Network Port		One (1) RJ45 10/100/1000M Self-adaptive Ethernet
RS-232 (DB9)		One (1) for debugging purposes only
RS-485		One (1)
USB		• One (1) USB 2.0 (Left) (Reserved, Non-functional) • One (1) USB (Reserved)
SD Card Slot		• One (1) (Reserved, Non-functional)

Performance

Access Resolution	4096 x 2160, 3840 x 2160, 2560x1440, 1920 x 1080, 1280 x 1024, 1280 x 960, 1280 x 720, 1024 x 768
Video Frame Rate	1 to 60 fps (Max. 24 fps at 4096 × 2160 and 30 fps at 3840 × 2160)
Encoding Capacity	• 4096 × 2160 at 24 fp • 3840 × 2160 at 30 fps • 2560 × 1440 at 60 fps • 1920 × 1080 at 60fps • 1280 × 1024 at 60fps • 1280 × 960 at 60fps • 1280 x 720 at 60 fps • 1024 x 768 at 60fps
Video Encoding Format	H.265, H.264 (Default)
Audio Encoding Format	G.711a
Stream Type	Composite, Video
Protocol	RTSP, Private

Electrical

Power Supply	12VDC 2.0A, PoE
Power Consumption	≤ 10 W

Construction

Operating Temperature	-10 °C to 55 °C (14 °F to 131° F)
Operating Humidity	10% to 90%, 86 kpa to 106 kpa
Dimensions (H x D x W)	45mm × 153.8 mm × 100 mm (1.77 in. × 6.06 in. × 3.93 in.)
Weight	0.65 kg (1.43 lb)

Dimensions

mm [in.]