

ANT-2400 Mini 4K HDMI & DVI H.265 or H.264 HD UHD Video Encoder

Product Code: ANT-2400



Key Features

- 3840 x 2160 P30 Max Resolution
- H.265 or H.264 Encoder
- HDMI & DVI Inputs (DVI requires dongle)
- ONVIF discovery, HTTP, RTSP, RTMP and MPEG-TS over UDP Streaming Supported

Product Overview

ANT-2400 Mini 4K HDMI & DVI H.265 HD UHD H.265 or H.264 4K Video Encoder, capable of up to a maximum 3840 x 2160 at 30 frames per sec encode with Dual stream streaming (Primary 1 x H.264 or H. 265 / Secondary 1 x H.264 or H.265) using an IP LAN ethernet connection. This allows compatibility with all existing and future streaming decoder systems both software and hardware based. Other Encoder input resolutions like 1080 and 720 supported as well as scaled output streams.

The new H.265 range has been introduced for customers who need lower bit rate video transfer over LAN or WAN networks – often due to internal network limitations, whilst maintaining high quality video. Applications using 4G where high quality high resolution video streams are required are ideal for this encoder. The ANT-2400 is also physically small and runs off USB 5v power which makes the encoder extremely portable.

The inputs are HDMI & DVI. There is no HDMI output connections for looping on this encoder Multiple streaming formats are supported RTSP, RTMP, HTTP, MPEG-TS plus ONVIF Discovery, The encoder is powered via a 5v USB power source.

AAC & MP3 audio is supported with embedded audio in HDMI or analogue input.

There is no RS232/485/422 2 way serial data communication, motion detection , sensor and alarm I/O, please see the ANT-38000 for this feature (at 4K resolutions – other encoders such as ANT-35000A available at lower HD resolution encoding).

This product can be paired with the ANT-37000 (SpotBox4K) to offer a full 4K encoding and decoding solution over standard LAN IP connections.

Size: 110 x 100 x 40 mm

Weight: 1kg

Power Supply: 5v DC USB External (via USB Cable) Power Consumption: 5w

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Technical Specification

| | | |
|------------------|------------------------|--|
| | | ANT-2400 |
| System | Mode | Encoder |
| System | Standards | ONVIF (Not Profile S), RTSP, RTP, RTMP, HTTP, UDP, TCP |
| System | Latency | >150mS |
| Video | Compression | H.264 (MJPEG-4) / H.265 (HEVC) |
| Video | Profile | Baseline & High H264 plus HEVC |
| Video | Frame Rate | 5-60 fps (Max at UHD 3840x2160 is 30fps) |
| Video | Bit Rate | 16kbps-50 mbps |
| Video | Mode | GOP |
| Video | Bit Rate Control | CBR, VBR |
| Video | Min Resolution | 320 x 180 |
| Video | Max Resolution | 3840 x 2160 (2560x1600, 2560x1440 , 2048x1152 , 1080 and 720P) |
| Video | Number of Streams | Primary 1 x H.265 & 1 Secondary H.265 or Primary 1 x H.264 & Secondary H.264 |
| Video | Inputs | 1 x HDMI |
| Video | Input Combinations | Any 1 Input |
| Video | Outputs | N/A |
| Video | Output Combinations | N/A |
| Video | On Screen Display | English |
| Audio | Mode | Full Duplex Stereo |
| Audio | Compression | MP3 + AAC + G711 |
| Audio | Sample Rate | G711 = 8Khz , AAC= 32/44.1/48kHz |
| Audio | Bit Rate | G711=64kbps, AAC= 64/128kb/256Kbs |
| Audio | Streaming | 1 Way Stereo |
| Audio | Inputs | Line In , HDMI Audio |
| Audio | Outputs | N/A |
| Network | Interface | 10-100 Ethernet RJ45 |
| Network | Protocols | ONVIF (Not Profile S), RTSP, RTP, RTMP, HTTP, UDP, TCP |
| Network | Security | Password Protection, HTTP |
| Network | Configuration | SDK, API, HTTP |
| Data | Type | N/A |
| Data | Interface | N/A |
| Data | Protocol | N/A |
| Data | Alarm | N/A |
| Data | Sensor | N/A |
| Event | Sources | N/A |
| Event | Actions | N/A |
| Power | Supply | 12v (Compact Size) |
| Power | Adapter input volts | AC 110-240v |
| Power | Adapter Output Voltage | 12v DC |
| Power | Consumption | 5w |
| Recording | Edge Storage | Micro SD Card |
| Temperature | Operating Range | 0C to + 50C (storage temp -40C - +70C) |
| Physical | Dimensions | 103 x 62 x16 mm |
| Physical | Weight | 100 grams |
| Physical | Housing | Black Aluminum |
| General | Certifications | CE , FCC, RoHS |
| General | Software | IP Finder + VMS |
| General | Warranty | 12 Months |
| General | Remote | N/A |
| General | Reset | Web or external |
| Control & Set Up | Set Up | Web Interface API Document |
| | Control | API + SDK |
| | Upgrade | Firmware Upgrade |
| In the Box | Contents | Encoder , 5v Power Supply, Country converters HDMI Audio Ethernet |
| | Power Cable/adaptor | 1 of either UK/US/EU/China/Aus |