

4K and Streaming Media for CORIOmaster®

Dual 4K Streaming & Media Input Module

CM-AVIP-IN-1USB-1ETH-128

OVERVIEW

The Dual 4K Streaming & Media input module for CORIOmaster is a dual low latency H.264 & H.265 streaming decoder. It has IP source labeling and playback of video clips and stills from on-board 128Gb HDD.



KEY FEATURES

- ◆ Combine streaming, file playback and still images for each video channel using playlists
- ◆ 2 video channels 4K30 & HD or dual HD media playback
- ◆ Synchronized playback – Optional mode to allow synchronized playback of up to eight HD clips in to two 4K outputs.
- ◆ 4K decoding of 2x 4K IP streams
- ◆ IP Stream Labelling with on screen position adjustment
- ◆ High resolution still image support
- ◆ Hardware video engine handles smooth playback and scaling
- ◆ USB 3.0 port for file playback and content transfer to internal SSD
- ◆ 128GB internal SSD storage for content

Designed For

C3-540 CORIOmaster,
C3-510 CORIOmaster mini,
C3-503 CORIOmaster micro

Module installs in to any of the input slots

Max Installable

CORIOmaster

C3-540 CORIOmaster 4x
C3-510 CORIOmaster mini 4x
C3-503 CORIOmaster micro 2x

Constraints

Thermal

Can be installed with other types modules in the same system but only a limited number can be installed due to heat dissipation.

SPECIFICATIONS

AV over IP	
Interface	1 x GbE Ethernet Port
Video Decoding	H.264 (Main, High), MPEG4, H.265/HEVC (Main) 8-bit
Bit Rates	Up to 50Mbit H264, 25Mbps H265 per stream (dual stream)
Color Depth	4:2:0, 4:2:2
Resolution Support	640x480p (60, 72, 75, 85Hz), 720x480i (59.94Hz), 720x480p (59.94Hz), 720x576i (50Hz), 720x576p (50,Hz), 800x600p (56, 60, 72, 75, 85Hz), 1024x768p (60, 70, 75, 85Hz), 1152x864p (75Hz), 1280x720p (23.98, 24, 25, 29.97, 30, 50, 59.94, 60Hz), 1280x768p (59.94, 60, 75, 85Hz), 1280x800p (60, 75, 85Hz), 1280x960p (60, 85Hz), 1280x1024p (60, 75, 85Hz), 1360x768p (60Hz), 1400x1050p (60, 75Hz), 1440x900p (60, 75, 85Hz), 1600x1200p (60Hz), 1680x1050p (60Hz), 1920x1080i (50, 59.94, 60Hz), 1920x1080p (23.98, 24, 25, 29.97, 30, 50, 59.94, 60Hz), 1920x1200p (60Hz), 3840x2160p (23.98, 24, 25, 29.97, 30Hz), 4096x2160p (23.98, 24, 25, 29.97, 30Hz)
Unicast Streams	RTSP, RTMP, HTTP, MPEG-TS
Multicast Streams	RTSP, MPEG-TS
Control Interface	via CORIOgrapher

Media Handling	
External	1 x USB 3.0 Interface
Supported Devices	Flash file systems FAT, FAT32, ext3, ext4, NTFS
Internal	High-speed storage 128GB
Remote	File transfer supported
Maintenance	via CORIOgrapher
Media/Images	
Interfaces	USB 3.0, Internal Storage, Network
Video Codecs	H.264 (CBP, Main, High), H.265/HEVC (Main)
Video Formats	mp4, mov, mkv, m4v, ts, mts, m2ts, mt2, mpeg2
Playback Bit Rates (Streaming and Media Playback)	H264 total data handling 100Mbps, single channel up to 50Mbps @4K30 (2nd render HD). H265 total data handling 50Mbps, single channel up to 25Mbps @4K30 (2nd render HD)
Still Image	JPEG, PNG, BMP
File Playback Resolutions Supported	
Up to 3840x2160 @ 30fps	Up to 1 (2nd render HD)
Up to 3840x2160 @ 30fps	Up to 2 (Synchronized Mode)
Up to 1080p60 @ 60fps	Up to 2
Up to 7680 x 4320	Still Images
Warranty	
Limited Warrant	5 year parts and labor