DATASHEET CD500

AI lecture recording processing unit

Avonic's CD500 is an AI processing unit that operates as a continuously evolving video platform for Avonic's Pro-AV solutions. It can process, analyze and transmit video generated by the two PTZ cameras it controls. It provides a steady environment for the one-of-a-kind CamDirector® Teacher Tracker Software that uses locally run machine learning algorithms to offer smart lecture video recording.

As a continuously evolving video platform it allows for future high-tech modules to be added. Over-the-air updates and support allow new functionality to be added overnight. Its ease of operation takes away expensive human resources needed to create high-level and engaging content for the audience. With the CD500 as part of the complete lecture recording solution, Avonic sets the new standard in teacher tracking technology.

Features

Video
Process, analyze and transmit video of two PTZ camera's it controls.

Cameras
* Processes signals of up to 8 cameras.

Video Input
* Analyzes the video input using state of the art AI-algorithms.

Video Output
* Transmits the video output over IP and/or HDMI.

* The actual features depends on the software licenses activated on the device. Read the applicable manual(s) for the software purchased.

Applications

- Education
- Government
- Broadcast
- Conferencing
- Worship

AVONIC

SPECIFICATIONS

All Avonic software modules are only compatible with the CD500 and the CM70 series! The number of cameras that is used, depends on the software licenses activated on the device. The HDMI port is the only video output.

Front Panel

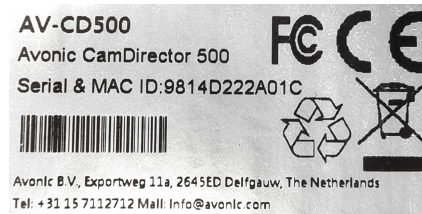|	
Video input	2 to 8 x CM70 series
Max watt PoE available	PoE 40 Watt 802.3af
Ethernet	1x GbE Port
USB	1x USB2.0 port (for audio delay)
LED indicator	Power LED Indicator
IR	IR Receiver

Rear Panel

Video output	1x HDMI 2.0 a/b
Audio input	1x RCA (not active)
Audio output	1x RCA (not active)
Interface	3x GPIO Harting, har-flexicon 2,54 FPV-10 BK and 3 BK (for future use)
Part no. Manufacturer	10 BK: 14 31 101 3101 000 3 BK: 14 31 031 3101 000
USB	1x USB3.0 Port
Serial communication	1x RS232 DSUB-9 male, 1x RS485 3pin Phoenix
Power input	DC Power Input

General Specifications

Input voltage	DC 9 - 36V
Power consumption	Max of 60 Watt
Power supply	19 Volt DC 3.16A
Power connector	Phoenix Contact, MSTBA 2.5/ 3-G-5.08, 3 Way, right angle, 12A
Operating temperature	-20°C ~ 65°C
Storage temperature	-20°C ~ 85°C
Operating humidity	95% @40°C (NON-CONDENSATION)
Color	Black
Dimensions product	175.6 x 183.3 x 50.5MM
Weight product	1.8 kg
Dimensions box	26 x 24 x 24 cm
Weight box	3.1 kg
Included	CD500, Power Adapter, Mounting shields

Markings

Back of the CD500

Mounting shields