DATASHEET

CamDirector®
TEACHER TRACKER

The ultimate evolution in education

CamDirector® Teacher Tracker Software License

Avonic's CamDirector® Teacher Tracker is a **unique** tracking solution that creates automatic multi camera video registrations of lectures. It can automatically find the teacher in a room with students and provides elegant close-ups of the teacher, even in large lecture halls and auditoriums.

The live video output automatically switches between overview shots of the classroom and close-ups of the teacher. With the CamDirector® Teacher Tracker Software Avonic sets the new standard for automated lecture recordings.

Applications
• Remote learning
• Hybrid Education
• Lecture Recordings
• HyFlex Rooms
• Online classes

FEATURES

Hassle-free lectures
The system runs automatically when a lecture starts without the need to wear distracting equipment. Let teachers focus on teaching instead of technology.

Consistent and accurate tracking
By harnessing the strength of the two-camera approach, the CamDirector® provdes an accurate and consistent tracking solution.

Privacy Guaranteed
The CamDirector® Teacher Tracker is built around privacy. All image processing is done locally without the need to be connected to the internet. We give you the tools to set privacy settings according to your own standards.
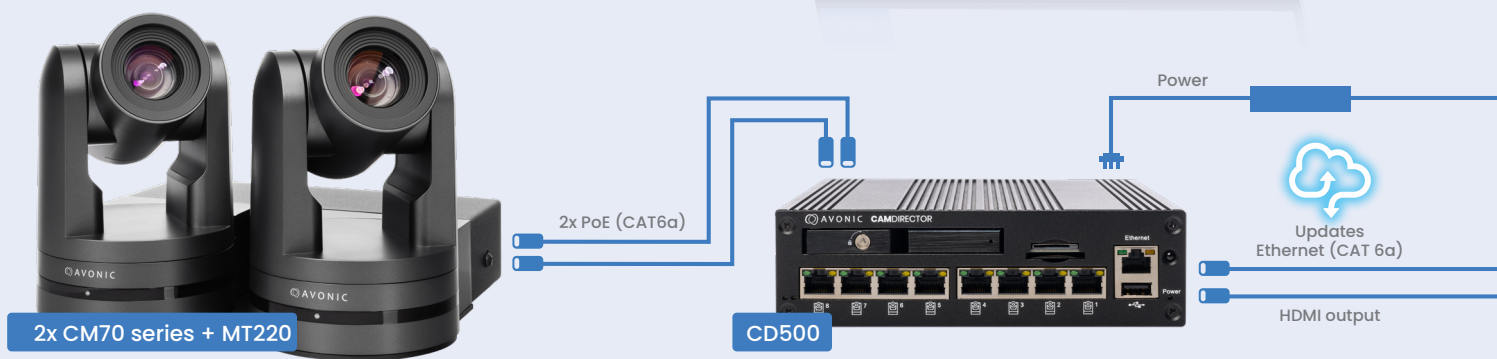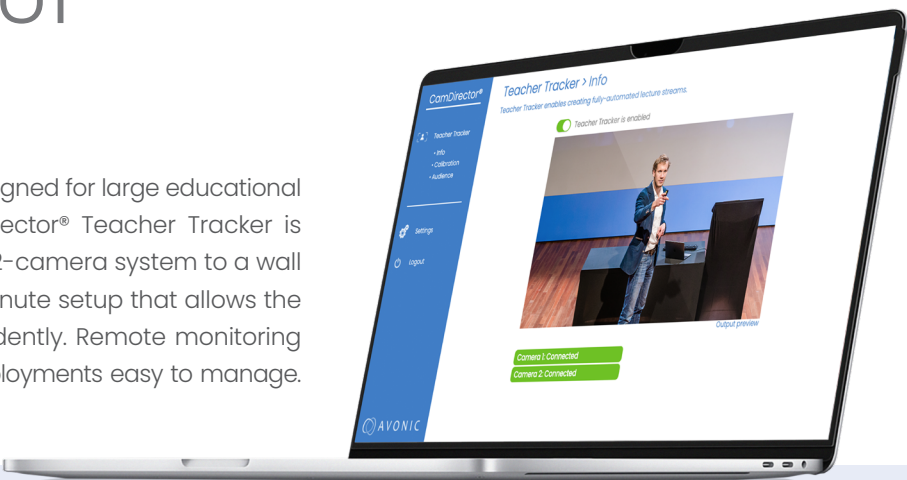
An ever-evolving AI solution
Avonic's patented machine learning algorithms let the teacher tracker improve over time by learning from every lecture it records. Over-the-air updates allow the software to keep evolving.

FOLLOW

OVERVIEW

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SYSTEM SETUP

Maximized ease of integration

The CamDirector® Teacher Tracker is designed for large educational deployments. Installation of the CamDirector® Teacher Tracker is quick and easy with only mounting the 2-camera system to a wall or ceiling and perform a one-time 10 minute setup that allows the system to run for many years independently. Remote monitoring and automatic updating make large deployments easy to manage.

2x PoE (CAT6a)

2x CM70 series + MT220

CD500

Power

Updates
Ethernet (CAT 6a)

HDMI output

Product

Name	CamDirector® Teacher Tracker
SKU	AV-CD-TRAC1
License type	Life-time license

Output

Output format	HDMI
Video format	1080p60 with 150 ms (typical) latency

Required hardware

AV-CD500	CamDirector® AI Processing unit
Cameras	2x CM70 series PTZ Camera 12x, 20x, 30x zoom
Mounts	AV-MT220-W/B Double Wall Mount

Optional hardware

See CD500 Compatible Hardware list in the CD500 manual

General Specifications

Minimum tracking distance	3 meter
Maximum tracking distance	* 55 meter
Minimum room size	4x4 (meter)
Operating conditions	Medium to bright light
Remote control	via IP/Network
Mounting cameras	Upright and Upside down

Tracking Principle

The software is trained to look out for a single speaker in a room with students. When such a speaker is found, a mix of close-up shots and overview shots are presented on the output. In any other case, an overview shot is presented. The effectiveness of tracking algorithms depend on the specific conditions of the room, the persons in the room and their behaviour. Although the Teacher Tracker is trained for many different situations, it never can be guaranteed that it works in every room in every instance.

* The actual distance depends on the camera model you have. For the CM73 with 30x zoom this is 55 meters.
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