

 **MOTEC**[®]
Heavy-Duty Camera Solutions

 **AMETEK**[®]



SAFETY FROM EVERY ANGLE

**HEAVY-DUTY 3D BIRD'S
EYE VIEW SYSTEM TVI**



www.store.ametekiscd.com

+ WELCOME TO THE FUTURE OF VEHICLE SAFETY! +



At Motec, we pride ourselves on providing cutting-edge solutions for enhancing vehicle safety and awareness. Our Heavy-Duty 3D Top View System TVI is designed to revolutionize the way you navigate your surroundings, offering unparalleled visibility and peace of mind on the road. Motec's Heavy-Duty 3D Top View System TVI meets all the requirements of heavy-duty and commercial vehicles used in logistics, but also many

other applications such as agriculture, construction, municipal applications, on-road transportation etc. The robust design guarantees a long service life in harsh conditions. Thanks to its flexibility, it can be used for a wide range of vehicles and the associated visibility problems. Motec's Heavy-Duty 3D Top View System TVI protects lives, help people and save money.

Convenient features

- Keypad signal device for easy activation
- Calibration correction technology minimizes distortion for accurate visuals
- Intelligent combined view tailored to your vehicle's application (29 view modes)
- Connection of an additional 4 cameras for work area monitoring



360° panoramic view

4 camera system

4 wide angle cameras (190° picture angle) on each side of the vehicle monitor the vehicle in all directions and provide an unlimited 360° 3D panoramic view of all sides, the front, and the rear areas.





An overview of the system components

Adaptable to many different vehicle geometries and visibility requirements.



TVI Wide Angle Camera MCT7180-34-MH2

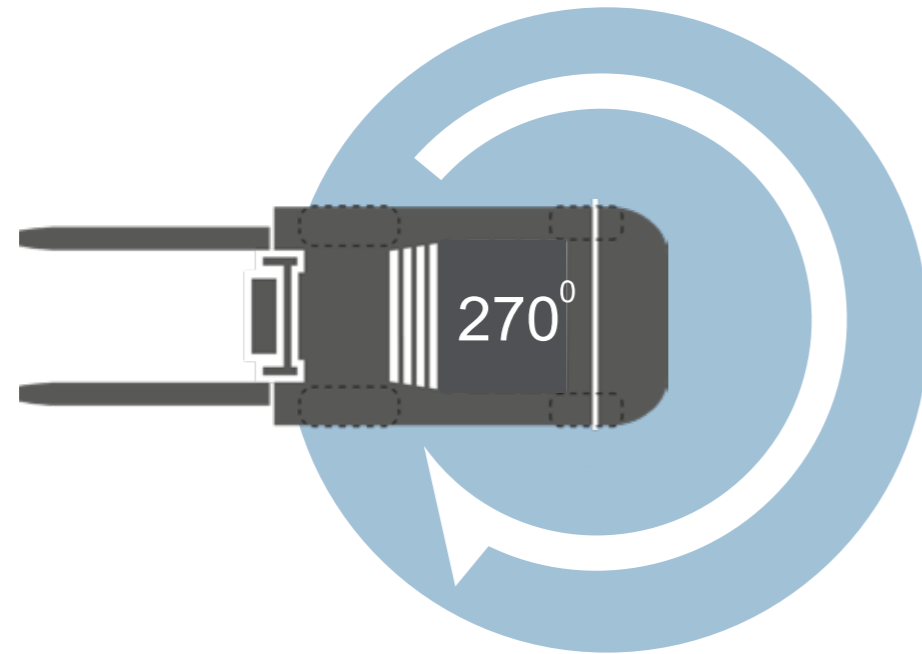
The MCT7180-34-MH2 is an HD-TVI wide-angle camera for heavy-duty 270°/360° surround view applications. The 190° angle of view and the compact design allow it to be adapted to a wide variety of vehicles and applications. The TVI camera is also ideally suited for heavy-duty use as a standalone camera thanks to its rugged housing that can even withstand high-pressure water jets.

Heavy-Duty TVI Monitor MDT4070-IP30 / MDT4101-IP67

The MDT4070 7" monitor is a mobile TVI monitor for heavy-duty applications. Thanks to HD-TVI technology, it delivers brilliant images in HD quality. Up to 4 cameras can be connected to the monitor. An integrated loudspeaker transmits warning tones, e.g. from a connected assistance system. The monitor can be operated in 5 different languages.

Heavy-Duty TVI Video Controller MVCT1104

The MVCT1104 video control unit is a mobile TVI video controller for 270°/360° surround view applications. Equipped with numerous intelligent functions, the video control unit offers a wide range of heavy-duty applications in various areas.



270° view of the rear area

3+1 camera system

The system can be equipped with 3 wide angle cameras - providing a 270° view of the vehicle's sides as well as the rear area. A fourth camera is especially designed to monitor equipment, loads, cargo, coupling, trailer as well as rear attachments. All this to protect lives, help people, and save money.



+ CONNECT UP TO 4 ADDITIONAL CAMERAS!

Workspace monitoring

The use of additional cameras to monitor sweepers significantly improves efficiency and safety. In addition to the four wide-angle cameras for the 3D Top View

1. Side broom

- Purpose: Monitoring of brush movement and contact with kerbs
- Advantage: Prevents damage and optimizes cleaning

2. Main sweeping roller

- Purpose: Monitoring of dirt pick-up and function
- Advantage: Early detection of problems



System, up to four more cameras can be used to monitor the vehicle areas:

3. Suction system

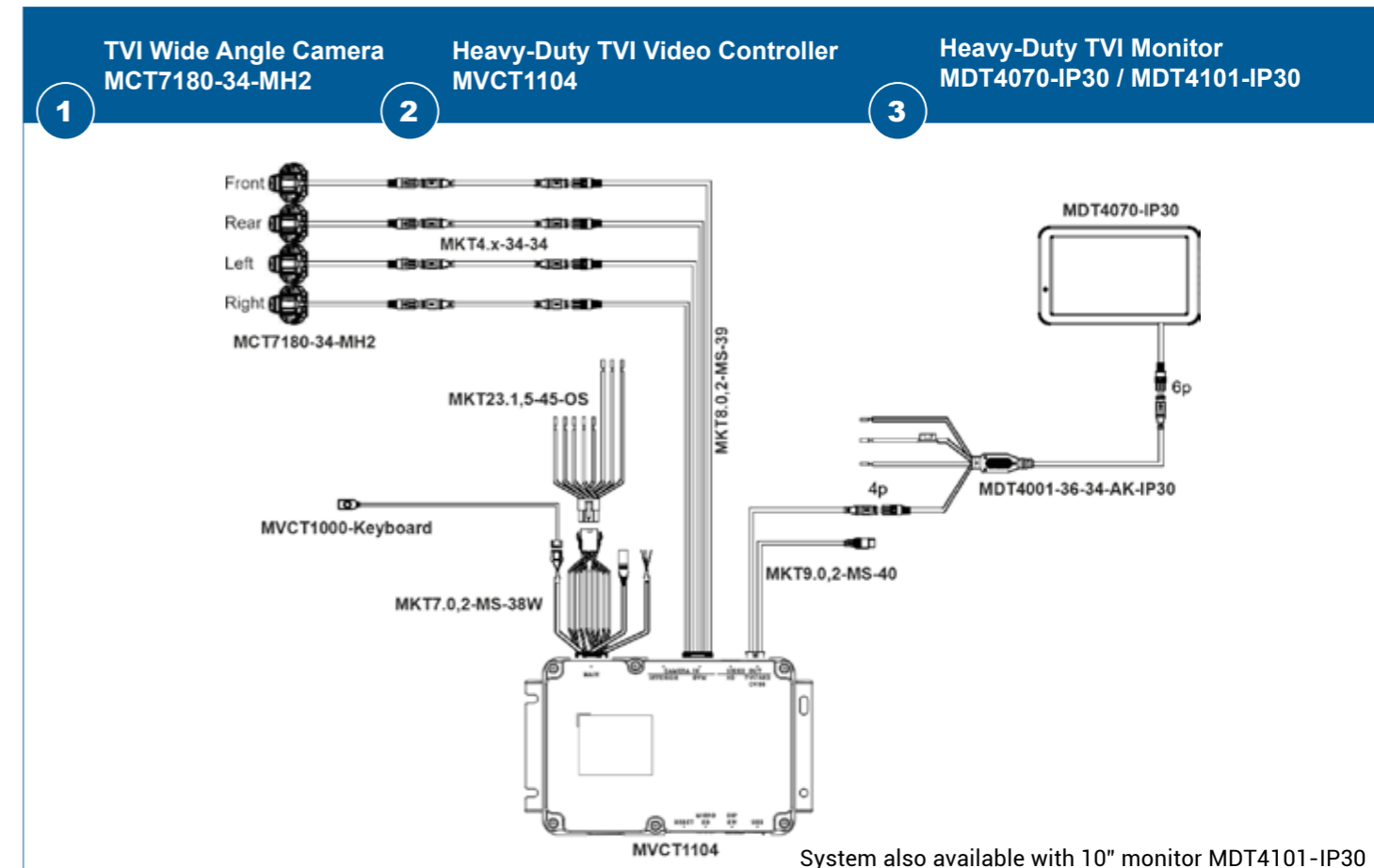
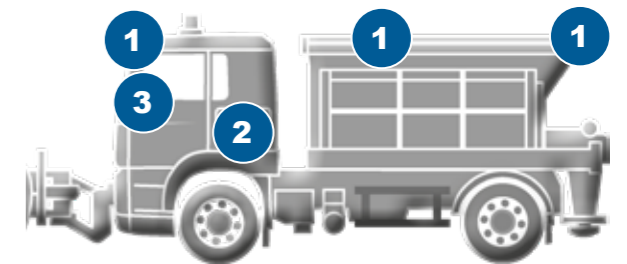
- Purpose: Real-time monitoring of dirt pick-up
- Advantage: Avoids dirt residues

4. Collection container

- Purpose: Monitoring of filling and emptying
- Advantage: Controlled emptying



Example of system How is it structured?



+ MORE RELIABILITY, FLEXIBILITY &

SAFETY! +

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information:

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