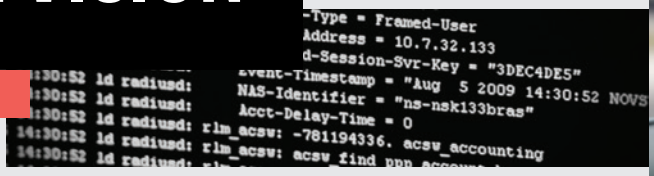
GENTEX CORPORATION

TECH BRIEF
2021

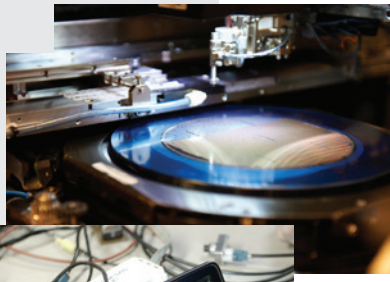


DIGITAL VISION





Gentex is helping the auto industry manage the evolution from analog to digital vision, using custom cameras and displays to see behind, beside and around the vehicle. With nearly four decades of custom sensor, imager and camera development, we're your complete system supplier, providing comprehensive camera, electronics, software, display and manufacturing solutions.





PRODUCT PORTFOLIO

FULL DISPLAY MIRROR®

Your digital platform for vision-related technology.

Functionality

- Intelligent rear-vision system
- Custom camera streams live video to unique mirror-integrated LCD
- Provides unobstructed, panoramic view behind the vehicle
- Bi-modal functionality – standard mirror and display modes



The Camera Feature Drivers Are Looking For!

The FDM is the highest-ranked camera feature for Luxury and Mass-Market vehicles in the JD Power 2020 Tech Experience Index Study℠ (TXI), which measures consumer adoption, feature desirability and OEM feature execution.



The Industry Benchmark!

Gentex is shipping FDM for more than 50 vehicle models and 14 different brands — from luxury to mass market; from cars and trucks to SUVs, including:

- Aston Martin
- GM (Buick, Cadillac, Chevy and GMC)
- Jaguar Land Rover (Jaguar, Land Rover)
- Mitsubishi
- Nissan (Nissan, Infiniti)
- RAM
- Subaru
- Toyota (Toyota, Lexus)

CAMERA MONITORING

FDM is your building block for camera monitoring systems.

Functionality

- Gentex's FDM is central to our camera monitoring systems (CMS)
- Three cameras to provide comprehensive views of the sides and rear of the vehicle
- Hybrid CMS integrates side-view cameras into the vehicle's exterior mirrors
- Fully digital system replaces exterior mirrors with side-view camera pods and curved interior OLED displays



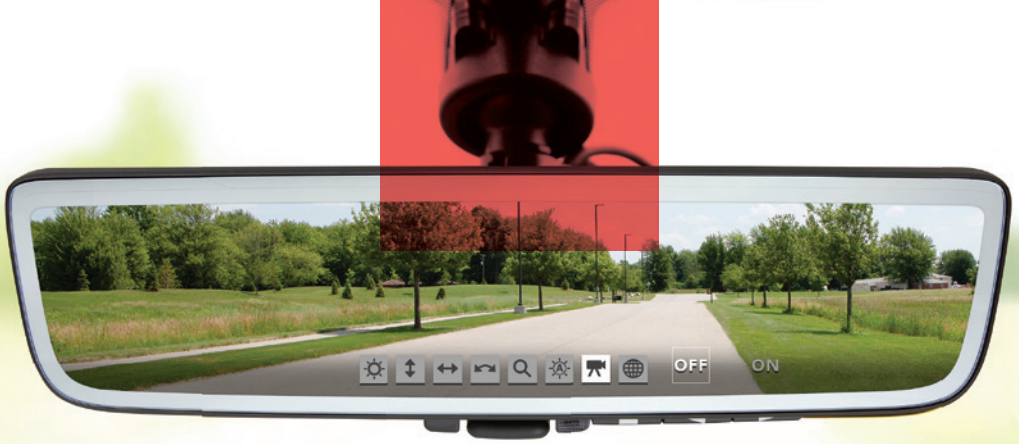
Hybrid CMS





Fully Digital CMS





PLAY

ADDITIONAL FDM FEATURES

FDM is your platform for added value.





DIGITAL VIDEO RECORDER

Integrated DVR provides drivers with added safety and peace of mind.

Mirror-Integration Benefits

- No suction cups, power cords or screens to block your view
- Capable of recording from front, rear and interior cameras
- Scalable system:
  - Multiple playback options
  - Download files via SD card or optional wireless connectivity
  - Optional Bluetooth and WiFi connectivity
  - Optional internal shock sensor
- Quick-to-market, high-performance, cross-car-line ready



PLAY



MULTI-VIEW TRAILER CAM

Vision when you need it, where you need it.

Functionality

- The most comprehensive trailer cam system available
- Completely scalable – add the cameras you need depending on what you're hauling
- Trailer-mounted WiFi hub relays video signal from multiple cameras to the FDM
- Driver can toggle between multiple combination views
- Add DVR functionality to record and view on your mobile phone





Choose Your View!

- Standard FDM View
- Bed Cam View
- Trailer Hitch View
- Interior Trailer View
- Behind Trailer View
- Reverse View
- Cabin View

TOUCH SCREEN

Next-gen FDM interface delivers surprise and delight.

Functionality

- All-new concept touchscreen FDM
- Intuitive HMI:
  - Pinch to zoom
  - Slider bars
  - Tilt
  - Pan
  - Soft-button feature control (HomeLink, ITM, etc.)



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