



SURROUND VIEW MONITORING SYSTEM

360°
3D

Moorechip Technologies Limited





Product Introduction

The NEXADAS 360° 3-D Surround View Monitoring Technology synthesizes images from four cameras to create a true 3D sophisticated view of a vehicle's surroundings. The technology enables flexible omni-directional monitoring around a vehicle from a dynamically definable perspective or "free eye point." The NEX-ADAS SVM Technology can display the complete vision of the positioning and moving path of the car, it eliminates blind spot and thus works perfectly as a safe parking and driving guide even when restricted by adjacent vehicles and objects, parking line, etc. NEXADAS offers various SVM system configurations like -HDMI/VGA/AV with alternative version of 2D or 3D.



DIFFERENT APPLICATION SCENARIOS

Scenarios Catalog

NARROW ROAD/LANE 01

UPHILL/DOWNHILL/T-SHAPE ROAD 02

SIDE PARKING MONITORING 03

04 AUTOMOBILE REVERSING

05 ANTI-FAKE ACCIDENT

06 WATCH-DOG

07 BLIND AREA COVERAGE

01

NARROW ROAD/LANE



Our Technology allows the driver to see images from the front, rear, and sides of the vehicle as well seeing a virtual, third person, omni-directional overview of the vehicle.

UPHILL/DOWNHILL/T-SHAPE ROAD

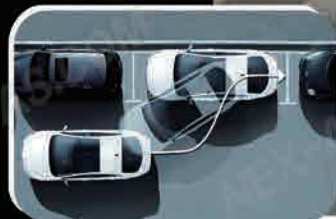
02



The NEX-ADAS technology provides video of your vehicle's surroundings, designed to significantly boost driver visibility and safety.

03

SIDE PARKING MONITORING



The NEX-ADAS technology gives a three-dimensional view which enhances visibility while parking or turning corners, and eliminates "blind spots" to a degree that cannot be matched by two-dimensional technologies

AUTOMOBILE REVERSING

04



The NEX-ADAS technology not only provides views from all sides of the automobile, it also creates a virtual "free eye point" perspective while you are reversing your automobile.

05

ANTI-FAKE ACCIDENT



This is typical situation scenario in which few crooked people creates a fake accident with your automobile and demands compensation from you and this NEX-ADAS technology helps you to prove your innocence to authorities.

WATCH-DOG

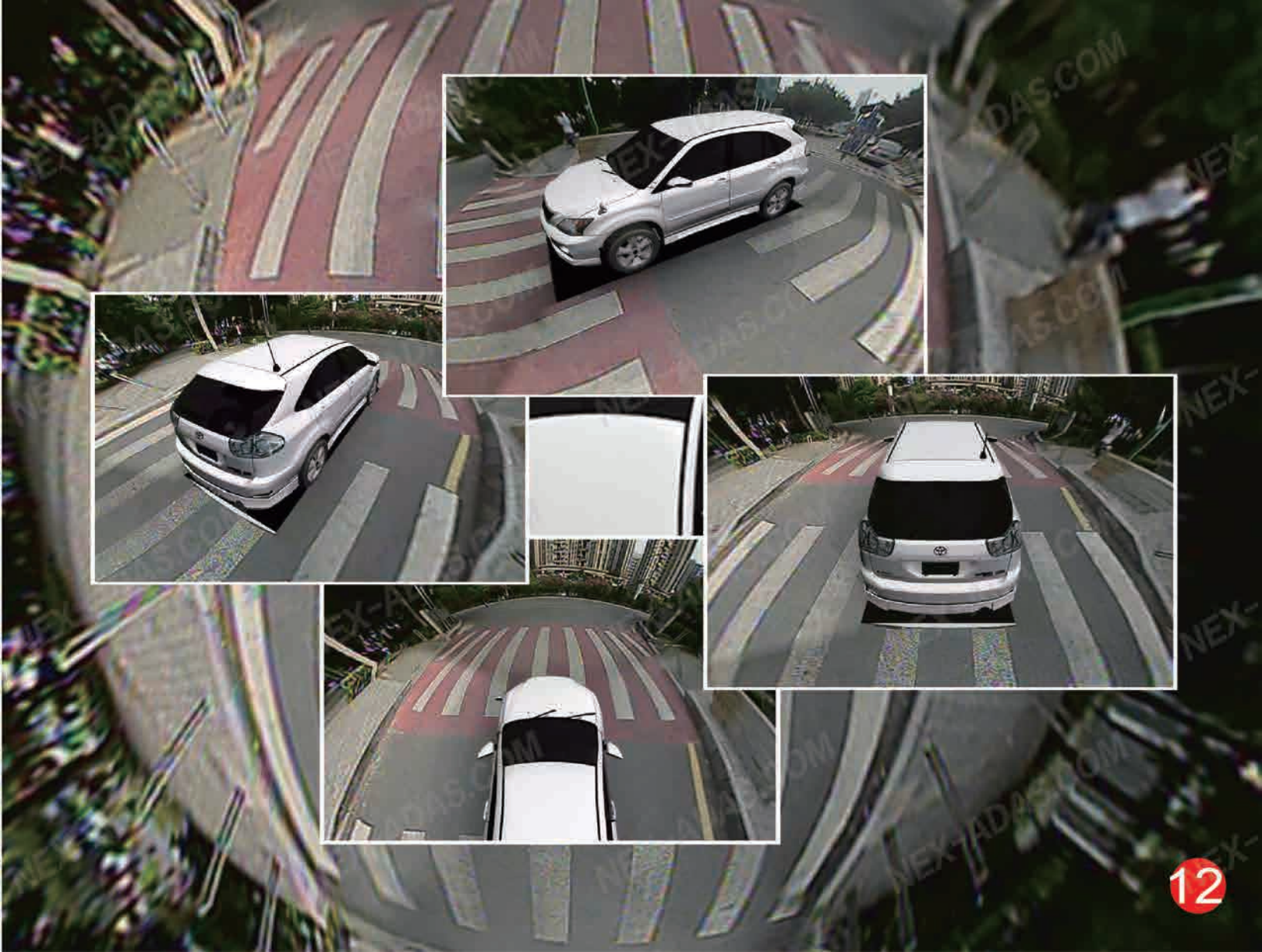
06

NEX-ADAS Technology acts as Watch-Dog in your absence as it supports Vibration sensors to record any undesirable situations when your automobile is parked.

07

BLIND AREA COVERAGE

The NEX-ADAS technology not only provides views from all sides of the automobile and eliminates Blind Area Spots as it creates a virtual "free eye point" perspective while you are reversing or driving your automobile.





Product Content

- 1 3D PANAROMIC ADAS
- 2 MULTIPURPOSE SYSTEM
- 3 PREVENTS CLOSE SHAVE INCIDENTS
- 4 WATCH-DOG
- 5 UNLIMITED LOOP RECORDING
- 6 MINIMUM STEPS FOR CAMERA CALIBRATION
- 7 LOW POWER CONSUMPTION
- 8 MULTI-CHANNEL (4,6,8,CAMERAS)
- 9 STATE-OF-THE-ART SOFTWARE ALGORITHM
- 10 AVAILABLE IN 2D AND 3D VERSIONS



**To Make Your Driving
Smoother
Safer & Smarter**



SVM TECHNOLOGY HIGHLIGHTS



Enjoy the release of ten functions



Branded Chipset



Seamless Merging



Motion Detection



3D View Angle



4 Fish-eye Camera



G-sensor Lock



Minimum Calibration



USB Disk Support



GPS Extension



Auto Balance





Fast Dual-Core CPU

ALLWINNER DUAL CORE CPU PLUS XILINX FPGA

We have managed to work closely with Top class companies like All-Winner ,XILINX, Intel, ADI etc to make this world class product for Automobile industry.

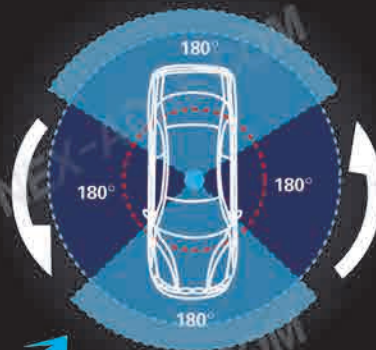
FOUR ULTRA WIDE FISH EYE CAMERAS

Our four ultra wide fish eye cameras gives brilliant wide pictures to our system to enable our end user to have excellent 360° panoramic view while driving and parking the vehicle.



SEAMLESS 3D IMAGE MERGING

NEX-ADAS 3D Image Technology uses advanced algorithms to combine images smoothly from each camera to offer a seamless and clear 360° view.



After seamless





CAR DVR AND ADAS

Our Technology functions also as a CAR Digital Video Recorder and this 360° 3D Video Imaging Technology aids vehicle safety by providing visual assistance to the driver.

G-SENSOR BASED VIDEO LOCKING

Our system is equipped with G-Sensor that enables to lock the important video file from overwritten on storage media.





MOTION AND VIBRATION DETECTION TRIGGERS RECORDING

The System gets activated and starts recording if it detects any vibration on the vehicle when your automobile is parked.



UNLIMITED LOOP RECORDING ON STORAGE MEDIA

SVM has the power to support any capacity of Memory Stick/USB disk/TF card and it also supports SDIO 3.0 for better recording bandwidth and data transfer rates.



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The logo consists of the text "360°" in white with a small orange circle at the top right of the degree symbol, and "3D" in orange below it.

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