

Perfect

Vision

Leading Innovation to Build an Intelligent Future



Perfect Vision **Workflow**



Driver Monitoring System (DMS)

Driver Monitoring System DMS is an intelligent system that aims to improve safety and increase efficiency for the company's vehicle fleet. It helps to increase functionality and productivity while reducing the cost related to operations and maintenance.



Driver Monitoring System (DMS)



The Perfect Vision DMS Solutions **Provide the Following Benefits:**

- GPS Real-Time Combined with Insights
- Enhancing the Safety of the Driver, Vehicle and Pedestrian
- Customized Reports to Improve Efficiency and Reduce Cost
- Better Fuel Consumption
- Improving Vehicle Maintenance
- Optimized and Effective Route Planning



The Perfect Vision DMS Consists Of **Three** Main Components:

- Driver Monitoring System (DMS)
- Advanced Driver-Assistance Systems (ADAS)
- Blind Spot Detection (BSD)

Driver Monitoring System (DMS)

The Driver Monitoring System is an AI based camera to monitor various human behaviors, and ensure the driver is awake, alert and following the safety rules. This AI camera is also able to detect the signs of fatigue, and alert the driver to device carefully.

Here are some capabilities of this intelligent safety system:

- Distraction Warning
- Driver Fatigue
- Yawn Warning
- Look-Aside Warning
- Calling Warning
- Smoking Warning



Advanced Driver Assistance System (ADAS)

ADAS AI camera aims to achieve provide safety driving features avoid collision. Here are some benefits of ADAS system

- Lane departure warning.
- Pedestrian detection warning.
- Over speed warning
- Forward collision Warning FCW



Blind Spot Detection (BSD)

Blind Spot Detection or BSD camera that helps and supports drivers to operate safely when passing lane to avoid side accidents and collisions. This smart system is equipped with AI Based Camera. With this system, the driver will receive alert to be aware of detected objects in both:

- Left Blind Zone
- Right Blind Zone





DMS Document for Features & Technical Specification

Product Features:

- Built-in high-performance image processing chip, H.265 encoding, with high compression ratio and clear image.
- Support 8-channel real-time preview and storage
- 1 channel audio and video synchronous output, 1 channel VGA output
- Support UPS power access
- Built-in G-Sensor, real-time monitoring of vehicle driving behavior
- Reversing image ranging assistance
- Video horizontal and vertical mirroring adjustment

Power Supply:

- Professional vehicle power supply 10VDC —36VDC wide voltage input design.
- Various protection circuits such as under-voltage, short circuit, reverse connection, etc., suitable for various car models
- Support intelligent power management recognition, automatic shutdown at low power, low power consumption when flame out
- Supports regular upload of GPS location information to the platform after standby.

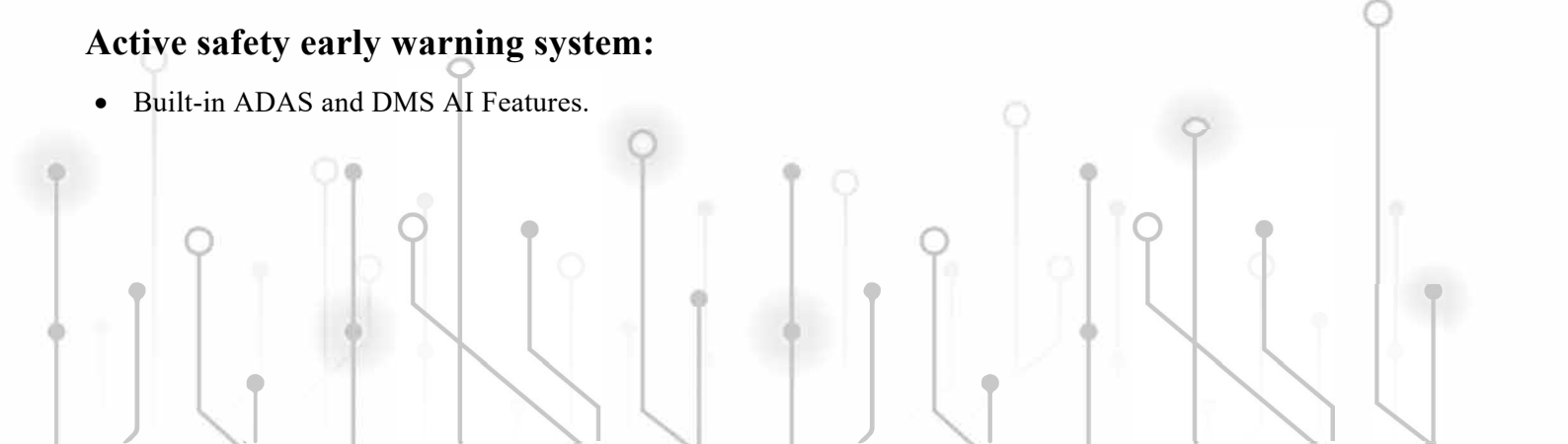
Technical Standard Data Storage:

- Built-in super capacitor to avoid data loss and disk damage due to abnormal power failure
- Using a special file management mechanism to encrypt data to effectively protect data security.
- Support 2.5-inch 2TB mechanical HDD
- Support SD storage, maximum support 256G

Interface Transmission:

- Built-in GPS/BD module, high sensitivity, fast positioning
- Built-in 4G module, support LTE/HSPA/WCDMA/EVDO

Active safety early warning system:

- Built-in ADAS and DMS AI Features.
- 

MDVR Technical Specification

| Parameters | Specifications |
|----------------------|--|
| Video format | PAL/NTSC |
| Compression standard | H.265 |
| Image resolution | 1080P/ 720P /960H / D1 / CIF |
| Playback quality | 1080P/ 720P /960H / D1 / CIF |
| Combination Ways | Various Ways |
| Decoding ability | 1 channel 720P real-time |
| Video quality level | 1 to 8 can be configured |
| Screen display | Support 1, 2, 4 multi-screen display |
| Audio compression | G.726 format |
| Recording method | Synchronous recording of sound and video |
| Video clarity | 6 levels of image quality optional |
| Storage method | Hard disk + SD card |
| Video query | Support search by channel, video type, alarm type Local playback 8-channel playback, playback by time |
| Local playback | 8-channel playback, playback by time |
| Local backup | Support SD card, U disk automatic backup |
| Audio and video | Input 8 channels |
| Vehicle speed pulse | Yes |

MDVR Technical Specification

| Parameters | Specifications |
|---------------------------|---|
| Vehicle speed pulse | Yes |
| Disk interface | SATA |
| SD card | 1 SDXC high-speed card (maximum support 256G) (optional) |
| USB interface | 1 USB 2.0 (support full mouse operation, USB delay self-test) |
| Ignition input | 1 ACC signal |
| Printer | Support |
| IC card slot | Support |
| Disk lock | Yes |
| Data reading interface | 1 USB interface |
| GPS/BD | Supports antenna insertion/unplugging/short circuit detection |
| 4G | Support LTE/HSPA/WCDMA/EVDO |
| DMS interface | Yes |
| ADAS interface | Yes |
| Audio output | Yes |
| Power input | DC: 10V~36V |
| Power output | +12VDC@2A, +5VDC @1A |
| Typical power consumption | Normal working state <5W (excluding peripherals) |
| Working temperature | -20 --- 70 °C |
| Storage capacity | 720P 0.8G/hour/channel 1080P 1.5G/hour/channel |

ADAS Camera **Technical Specification**

| Parameter | Specifications |
|---------------------------|-------------------|
| Sensor type | CMOS Sensor |
| Pixel size | 3.75um*3.75um |
| Focal length | 3.6mm |
| Relative aperture | F2.4 |
| Metal lens interface type | M12xP0.5 |
| Field of view | D=85° H=60° V=53° |
| Image mode | Color Picture |
| Wide dynamic range | 70.4dB |
| Support resolution | 1280*720P |
| Output signal | AHD Analog HD |
| Support video format | PAL |
| Frame rate | 25fps |
| Supply voltage | VCC12V |
| Current | Around 66mA |
| Power consumption | 0.792W |
| Operating temperature | '-25°-+75° |
| Storage temperature | '-30°+80° |
| Aviation line length | 0.57 meter |

DMS Camera **Technical Specification**

| Name | Specifications |
|---------------------------|------------------------------------|
| Sensor type | CMOS Sensor |
| Pixel size | 3.75um*3.75um |
| Focal length | 2.8mm |
| Aperture | F2.0 |
| Metal lens interface type | M12xP0.5 |
| Field of view | D=115° H=91° V=67° |
| Image mode | Black and white image |
| Wide dynamic range | 70.4dB |
| Support resolution | 1280*720P (Maxim Support 1280*960) |
| Output signal | AHD Analog HD |
| Support video format | PAL system as default |
| Frame rate | 25fps |
| Supply voltage | VCC12V |
| Current | 47mA--105mA (+/-10%) |
| Power consumption | 0.56--1.26W (+/-10%) |
| Operating temperature | '-20°-+70° |
| Storage temperature | '-25°-+80° |
| Aviation line length | 0.57 meter |



Why Choose Perfect Vision Products?

We Provide Excellent Services.


Our highly responsive customer care will be reaching out to you and addressing your issues, ensuring you've received the best service available in order to achieve maximum uptime of your equipment.

Our Products are Meeting the Harsh Environmental Standards.

The quality of any product comes from its components. With the implementation of high quality materials combined with the best practices applied at every stage of the manufacturing process, our products perform efficiently under the most extreme and harsh environment. We have done extensive tests during the development and manufacturing stages in the real workplace environment. We have challenged many obstacles during our journey to present the best safety solutions to the market.

All Features are Customizable as Required.

Proudly, our solutions have been developed in-house inside our advanced labs with experienced and talented engineers and researchers. We've got the know how knowledge. Whether you are looking for simple modifications in the system, adding more features, or even looking to integrate with other solutions, the R&D department at Perfect Vision will give their maximum effort and support to satisfy your requirements and get you up and running.





We Offer Competitive Prices.


The relationship between price and quality is controversial. Customers usually tend to believe that high price is a signal of high quality, but this is not always the actual case. Our innovative way of work has enabled us to achieve exceptional quality products equipped with top-notch customer services while keeping the pricing competitive.

Technical Training Included.

HSE studies show that lack of proper training is responsible for about 32% of the accidents in the worksites. That is why one of the Perfect Vision's top priorities is to provide appropriate technical training for all the provided safety solutions. Perfect Vision will make sure that all the aspects of its safety solutions are well understood and clear for the personnel in the workplace.

After-Sale Services with 24/7 Customer Support.

Perfect Vision responsibility didn't end when the customers received their products. We deal with our customers as partners. And our unprecedented commitment to support our fellow partners is what makes us different.



Perfect Vision Certificates

أرامكو السعودية
saudi aramco

Saudi Aramco E-Reference No. 0000440

Registration Approval Letter

April 30, 2019

Attention : PERFECT VISION FACTORY

CR Number : 2055026295
Country : Saudi Arabia

We are pleased to inform you that PERFECT VISION FACTORY is now registered in the Saudi Aramco Supplier Management System under Vendor Code No. 10964254, provided your company continues to meet all relevant Saudi Arabian and Saudi Aramco standards.

This registration, however, should not be construed as a commitment by Saudi Aramco to procure from you. Being registered as a supplier only grants your company the opportunity, along with other registered sources, to respond to requests for submitting proposals in accordance with Saudi Aramco's established policies and procedures. All procurement instruments including but not limited to service contracts, purchase agreements, or purchase orders will be issued based on the name and address included in your commercial registration (CR), as stated in your Supplier Registration.

Saudi Aramco wishes to remind you that being recognized as a supplier carries with it serious obligations and responsibilities to act in a legal and ethical manner. We wish to remind you of the Saudi Aramco Supplier Code of Conduct (SCOC) which you acknowledged. Failure to abide by the principles set forth in the SCOC can result in adverse actions being taken by Saudi Aramco against you including suspension of you as a supplier. Saudi Aramco also expects each of its suppliers to satisfy each of the requirements of any procurement instrument which might be placed and to act responsibly and reliably as a supply chain supplier.

Material Suppliers should apply for Saudi Aramco Supplier Portal access by forwarding a request to portal-registrator@aramco.com. The Supplier Portal is the main electronic business tool used between Saudi Aramco and its suppliers and serves to improve the flow and accuracy of key supply chain information.

For further information or assistance please contact the Saudi Aramco Supplier Help Desk by forwarding a request to SupplierHelpDesk@aramco.com or via the unified call center +966 (13) 874-2222.

Dawoud Sulman Al Nawais, Supervisor
Supplier Registration/Qualification Unit
Supplier Registration/Qualification Unit

It is the responsibility of the supplier to update Saudi Aramco Supplier Registration Profile through Ariba for the following:
1. Change of Name / Commercial Registration Number / Address / Owner(s)
2. Any change of the supplier location
3. Discontinue supply of approved commodities (SCOMs and SCATS)

This is an electronically generated letter by Saudi Aramco. To verify Supplier approval status, please contact Supplier Help Desk at supplierhelpdesk@aramco.com

Certificate of Registration

This document certifies that the
Environmental Management System of:

PERFECT VISION FACTORY

Location: Al Jubail-10335, Saudi Arabia

Has been assessed and approved by

IQS Standards Audits Division

In accordance with the following standard:
ISO 14001:2015

The registered scope of the assessed environmental management system is as follows:
Design, Development, Manufacturing, Sale, Installation and maintenance of PCP, electronics devices, IT Enabling Devices, Class III Medical Devices, Application, System Integration, ICT, Security Systems, and Infrastructure, Software Analysis and Development, Military Telecommunication Devices, Accessories, And Control System, CCTV Devices and Fleet Management System, IoT Devices

Current Certificate Date: 07th April 2021
Registration Number: **KSA500341**

Certificate Expiry Date: 06th April 2022
Issue: 01

For and on behalf of
IQS Standards Audits Division

Signed: 

Validation


This is an accredited certificate issued under the auspices of ASCB the summary details of which are listed in the International Register of Quality Assessed Organisations and at www.iqsaudits.com/certificate-authenticity
Interested parties should check the validity of this certificate by going to the address shown above or using the QR Code and entering this certificate number in the space provided and click on SUBMIT
This certificate remains the property of, and must be returned to IQS Standards Audits Division upon reasonable request
IQS Cert Doc Ref: CA418 Rev: 03/16 Ed: 01 Page: 1 Of: 1

Certificate of Registration

This document certifies that the
Quality Management System of:

PERFECT VISION FACTORY

Location: Al Jubail-10335, Saudi Arabia

Has been assessed and approved by

IQS Standards Audits Division

In accordance with the following standard:
ISO 9001:2015

The registered scope of the assessed quality management system is as follows:
Design, Development, Manufacturing, Sale, Installation and maintenance of PCP, electronics devices, IT Enabling Devices, Class III Medical Devices, Application, System Integration, ICT, Security Systems, and Infrastructure, Software Analysis and Development, Military Telecommunication Devices, Accessories, And Control System, CCTV Devices and Fleet Management System, IoT Devices

Current Certificate Date: 07th April 2021
Registration Number: **KSA500340**

Certificate Expiry Date: 06th April 2022
Issue: 01

For and on behalf of
IQS Standards Audits Division

Signed: 

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Certificate of Registration

This document certifies that the
Information Security Management System of:

PERFECT VISION FACTORY

Location: Al Jubail-10335, Saudi Arabia

Has been assessed and approved by

IQS Standards Audits Division

In accordance with the following standard:
ISO 27001:2013

The registered scope of the assessed information security management system is as follows:
Design, Development, Manufacturing, Sale, Installation and maintenance of PCP, electronics devices, IT Enabling Devices, Class III Medical Devices, Application, System Integration, ICT, Security Systems, and Infrastructure, Software Analysis and Development, Military Telecommunication Devices, Accessories, And Control System, CCTV Devices and Fleet Management System, IoT Devices

Current Certificate Date: 07th April 2021
Registration Number: **KSA500342**

Certificate Expiry Date: 06th April 2022
Issue: 01

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IQS Standards Audits Division

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Certificate of Registration

This document certifies that the
Health & Safety Management System of:

PERFECT VISION FACTORY

Location: Al Jubail-10335, Saudi Arabia

Has been assessed and approved by

IQS Standards Audits Division

In accordance with the following standard:
ISO 45001:2018

The registered scope of the assessed health & safety management system is as follows:
Design, Development, Manufacturing, Sale, Installation and maintenance of PCP, electronics devices, IT Enabling Devices, Class III Medical Devices, Application, System Integration, ICT, Security Systems, and Infrastructure, Software Analysis and Development, Military Telecommunication Devices, Accessories, And Control System, CCTV Devices and Fleet Management System, IoT Devices

Current Certificate Date: 07th April 2021
Registration Number: **KSA500343**

Certificate Expiry Date: 06th April 2022
Issue: 01

For and on behalf of
IQS Standards Audits Division

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CERTIFIED COMPANY
ISO 9001:2015

CE

هيئة المحتوى المحلي والمشتريات الحكومية
Local Content & Government Procurement Authority



OUR CLIENTS & VENDORS



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