

## Vision Solutions - Automotive

CMS HDR mirror - automotive camera monitor system for sports, luxury and hyper cars.



Belongs to the best on the market. It combines state-of-the-art camera technology and expertise gleaned from numerous automotive projects. Its hardware and software were designed to comply with the ISO 26262 (ASIL B) functional safety standard.

**We drive your visions!**



# The First Digital Mirror | CMS

The VW XL1 CMS digital mirror received German road traffic homologation

Kappa 



ALTON MARTIN  
**VALKYRIE**

kappa **K**

OFFICIAL PARTNER

## Latest Customers

The world's most extreme hypercar relies on the CMS HDR mirror from Kappa



## Latest Customers

The best and the fastest hyper and sports cars rely on the CMS HDR mirror from Kappa



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The best and the fastest hyper and sports cars rely on the CMS HDR mirror from Kappa



# Perfectly Integratable

For all interior designs

Kappa 



# Top of the Line

CMS HDR mirror – one system but independently exchangeable modules

Display Module |  
DM

Electronic  
Control Unit |  
ECU

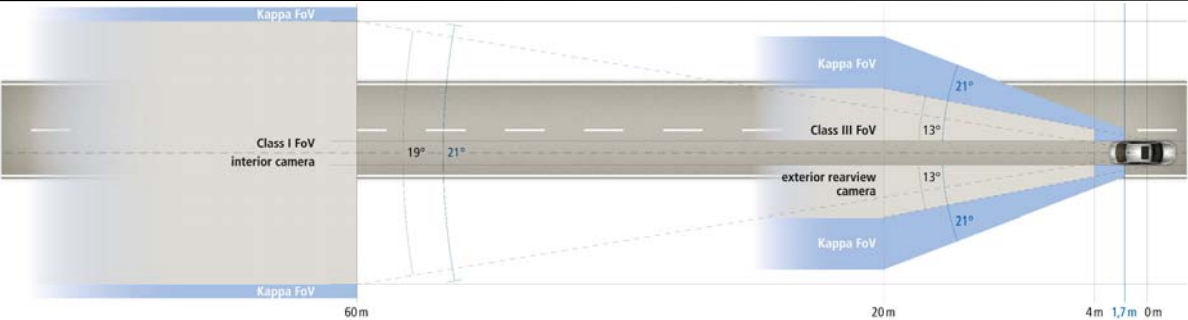
Camera Optics  
Module |  
COM



- Ⓚ ECE R46/02-compliant, development based on ISO26262
- Ⓚ Latency-free HDR images, <20 ms/1 frames
- Ⓚ Flicker mitigation
- Ⓚ System concept eliminates frozen image, detection not necessary
- Ⓚ The small camera head gives designers almost limitless freedom in design
- Ⓚ The region of interest is changed for reverse gear driving
- Ⓚ Left-hand and right-hand drive options
- Ⓚ CAN bus adaption based on state machine of the vehicle
- Ⓚ Scalable, adaptable to design requirements
- Ⓚ Vehicle-specific customer requests can be configured quickly and efficiently: flexible cable lengths, display housing, individual glasses for display module

# Field of View | FoV

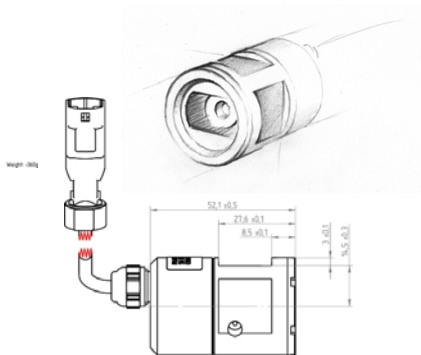
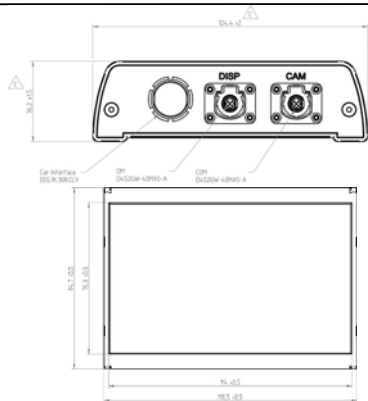
Kappa's CMS displays more than required by ECE-R46




According to ECE-R46 and ISO 16505  
Kappa FoV



We look forward  
to working for and with you



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# Why do the world's coolest car manufacturers rely on this digital mirror?

Thrilling sight? Inspiring design? Zero Latency?  
Curious about the **WOW factor?**



kappa 

 GORDON MURRAY  
AUTOMOTIVE

  
ASTON MARTIN

