

Attachment 3

Audi Camera Mirror System (CMS) Exemption Petition

July 31, 2018

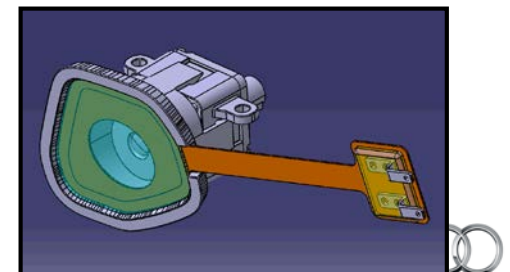
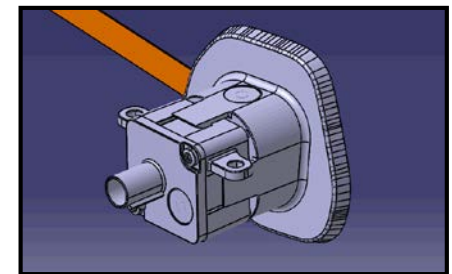
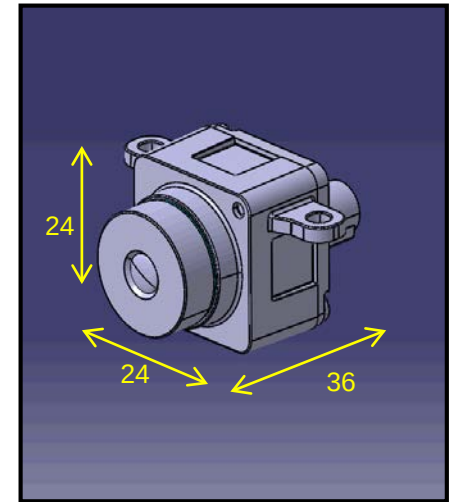
System Component Wing

- ▶ Wing:
- › Flat Design with newly developed folding mechanism (manual)
- › Integrated VAS camera
- › Integrated Turn Signal
- › Integrate Top View camera



System Component Camera

- ▶ Camera:
 - ▶ Imager
 - ▶ OV 10640
 - ▶ resolution 1280 x 1020
 - ▶ Heater
 - ▶ Integrated in modular top unit on protective cover glass
 - ▶ Control via the ECU
- ▶ Video data conduction
 - ▶ Power over Coax
- ▶ Lens
 - ▶ Opening angle
 - 40° Vertical
 - 30° Horizontal

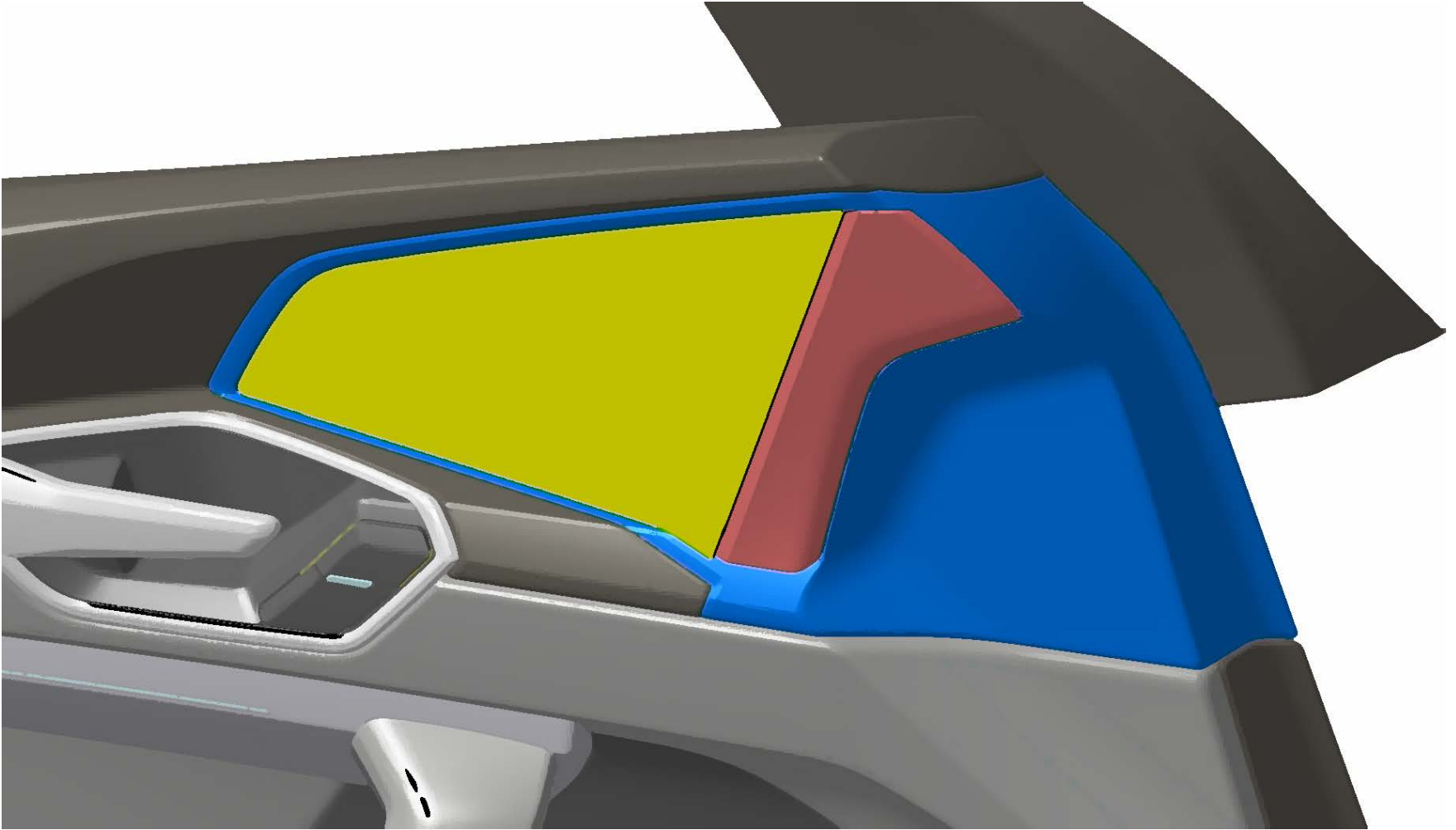


System Component ECU

- ▶ ECU:
 - ▶ Control unit mounted on the display
 - ▶ Preparation of video data
 - ▶ HMI
 - ▶ FUSI
 - ▶ calibration
 - ▶ diagnostic
 - ▶ Etc...
- ▶ OLED Display
 - ▶ resolution 1280x800
 - ▶ size 7"
- ▶ Networking
 - ▶ Comfort Can



Door Design Integration



HMI concept

► Touch functions in the mirror display



TAP:

- Confirmation Button



PINCH:

- Zoom out of the view



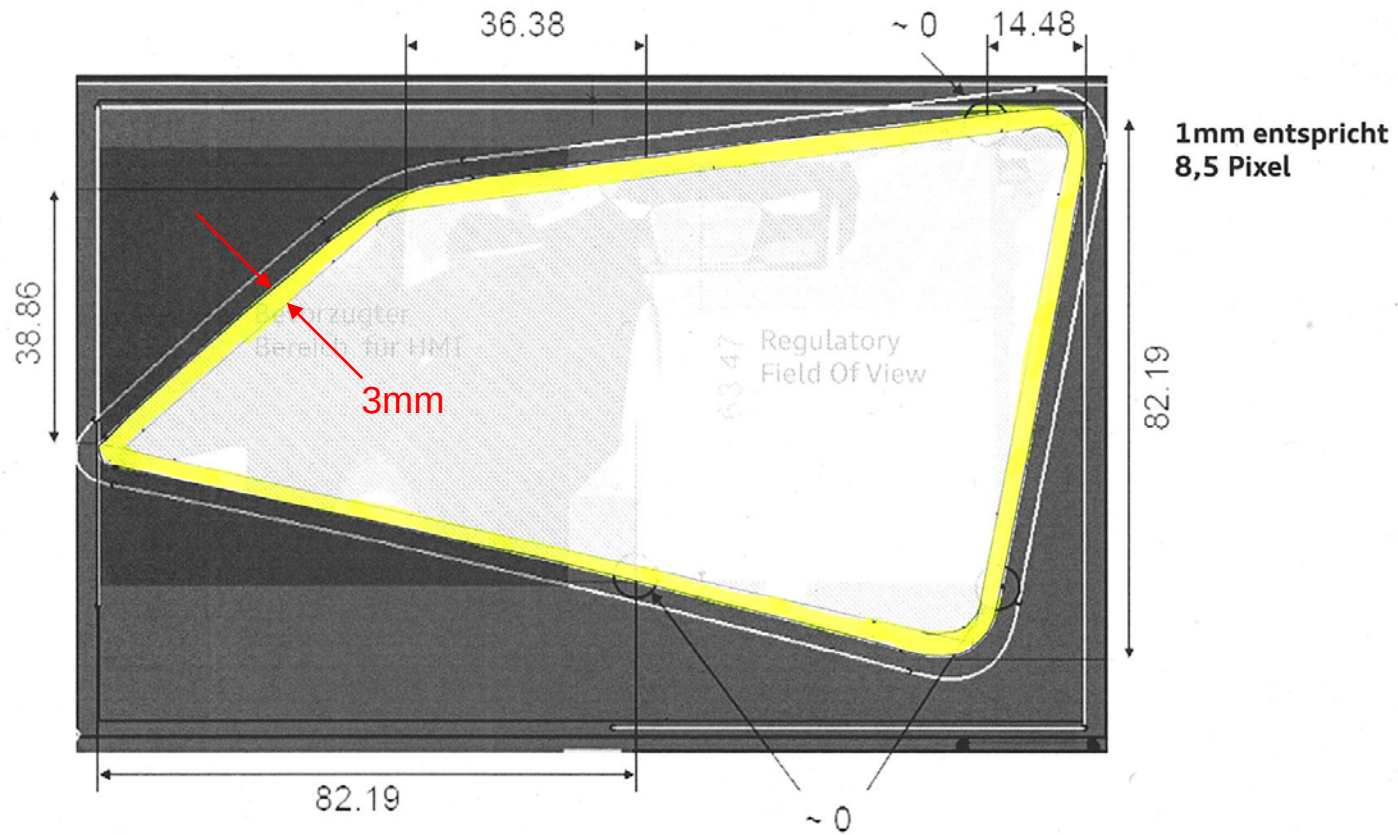
SPREAD:

- Zoom in to the view

Drag:

- Relocation of the view

Sizes of Possible HMI Areas



2 Titel oder Name, Abteilung, Datum

Audi Vorsprung durch Technik 

HMI concepts

- ▶ Description of the different views:
 - ▶ Parkview: The displayed field of view is extended downwards and zoomed in to provide a better overview when manouevering and parking.
 - ▶ Turnview: To reduce the blind spot during a turn, the field of view is extended to the side of the desired turn direction.
 - ▶ Motorwayview: In order to archieve a better estimation of the speeds when driving fast on the motorway, the displayed field of view is reduced and objects appear larger.

Passenger Side Display



Driver Side Display in Door



Passenger Side Camera

