

HMI Graphic Specification

Bringing Designs to Life

IXPERTA s.r.o. provides the expert services in area of the development including advanced UI/UX designs and graphic specifications for HMI (human machine interface), combi instrument clusters, and HUD (Head up displays). Our solutions are designed to provide an intuitive and aesthetically pleasing user environment, enhancing user satisfaction, improving communication, and accelerating the development process. With a focus on personalization, innovative technology, and detailed specifications, we ensure that your projects are completed efficiently and without compromising on quality.



Key features of the product or service:

- **UI/UX Development for HMI:**
 - Intuitive Design: Our solutions focus on ease of use and effective interaction between the user and the machine.
 - Personalization: Designs tailored to specific vehicle needs and customer preferences. Prototyping: Rapid iteration and testing of ideas through interactive prototypes.
- **Graphic Specifications for HMI, Instrument Clusters, and HUD Displays:**
 - Comprehensive Documentation: Detailed specifications covering all graphic elements and their implementation.
 - Consistent Style: Ensuring a unified look and feel across all display units.
 - Innovative Visualization: Using the latest technologies and trends for attractive and functional graphic design.
 - Automated Graphic Tests: Utilizing automated tests to minimize graphical and technical errors and streamline the software development loop.

Product or service advantages

- Increased User Satisfaction: An intuitive and aesthetically pleasing interface enhances overall user experience.
- Effective Communication: Clear and consistent graphics facilitate quick and accurate understanding of information.
- Faster Time to Market: Our agile approaches and efficient prototyping accelerate the development cycle.
- Reduced Development Costs: Detailed specifications, automated tests, and efficient processes minimize errors and rework.



Technical specifications and product details

- **Tools and Technologies Used:**
 - Photoshop and Figma: These tools allow us to create detailed and precise graphic designs that are easily editable and customizable to client needs.
 - Automated Testing: To ensure the quality of our solutions, we use an internally developed tool for automated testing. This tool enables efficient and rapid testing of all graphic elements and their interactions, minimizing errors and ensuring high levels of stability and reliability.
- **Integration and Compatibility:**
 - Platform Support: Our solutions are compatible with various HMI platforms, including embedded systems, mobile applications, and desktop applications. This ensures that our designs can be seamlessly integrated into your existing systems.
 - Responsive Design: We create responsive designs optimized for different screen sizes and resolutions. Our graphic specifications ensure that every element is displayed correctly and efficiently on any device.
- **Quality and Security:**
 - Detailed Specifications: Our graphic specifications are thoroughly documented, ensuring that all graphic elements are clearly defined and easily implementable. This minimizes the risk of errors and ensures consistent quality across projects.
 - Security and Reliability: Our solutions are designed with a focus on security and stability. Automated testing and detailed specifications allow us to identify and fix potential issues early in the development phase.