+357 96 030922
info@marketpublishers.com

Global LCD TV Core Chip Market Size Study, by Application (Television, Monitors, Projectors, Smart Displays), by Technology (LCD, LED, OLED, Quantum Dot), by Core Functionality (Video Processing, Audio Processing, Image Processing, Connectivity), by Component Type (Integrated Circuits, Microcontrollers, Field Programmable Gate Arrays) and Regional Forecasts 2022-2032

https://marketpublishers.com/r/G2921B8C730CEN.html
Date: March 2025
Pages: 285
Price: US$ 3,218.00 (Single User License)
ID: G2921B8C730CEN

Abstracts

The Global LCD TV Core Chip Market, valued at approximately USD 3.36 billion in 2023, is projected to experience steady expansion at a CAGR of 3.72% over the forecast period 2024-2032. The increasing adoption of high-resolution displays, advancements in smart TV technology, and rising consumer demand for enhanced visual and audio experiences are driving the demand for LCD TV core chips. With the integration of AI-powered image processing, ultra-HD streaming capabilities, and energy-efficient microchips, manufacturers are focusing on delivering seamless viewing experiences while optimizing power consumption and performance.

The market is witnessing rapid advancements in display technology, with OLED and Quantum Dot technologies gaining traction over traditional LCD panels. These developments are revolutionizing color accuracy, brightness, and refresh rates, necessitating highly efficient video and image processing chips. Additionally, with the growing popularity of gaming monitors, smart displays, and high-definition projectors, semiconductor companies are pushing the boundaries of connectivity solutions by incorporating 5G, Wi-Fi 6, and HDMI 2.1 support into LCD TV core chips. However, challenges such as supply chain disruptions, semiconductor shortages, and fluctuating

+357 96 030922
info@marketpublishers.com

raw material costs continue to impact market growth.

Geographically, North America and Europe are leading the industry, supported by early technology adoption, strong R&D investments, and high consumer spending on premium electronic devices. The Asia-Pacific region, particularly China, Japan, South Korea, and India, is witnessing the fastest growth due to rapid urbanization, increasing penetration of smart TVs, and government initiatives supporting local semiconductor production. Meanwhile, Latin America and the Middle East & Africa are gradually adopting advanced display technologies, with an increasing focus on affordable, feature-rich television solutions.

With the ongoing evolution of display standards and the growing convergence of entertainment and IoT ecosystems, industry players are actively investing in next-generation chip architectures. Strategic collaborations between semiconductor manufacturers and consumer electronics giants are shaping the future of intelligent, AI-driven core chips, enabling dynamic picture enhancements, voice-assisted controls, and immersive audio experiences. These trends indicate a promising future for the LCD TV Core Chip Market, with innovations continually redefining home entertainment and professional display solutions.

Major Market Players Included in This Report:

Samsung Electronics Co., Ltd.

MediaTek Inc.

Qualcomm Technologies, Inc.

Texas Instruments Incorporated

Broadcom Inc.

Intel Corporation

NVIDIA Corporation

Realtek Semiconductor Corp.

STMicroelectronics

+357 96 030922
info@marketpublishers.com

NXP Semiconductors N.V.

Renesas Electronics Corporation

Analog Devices, Inc.

HiSilicon (Huawei Technologies Co., Ltd.)

Ambarella, Inc.

Silicon Motion Technology Corporation

The Detailed Segments and Sub-Segments of the Market Are Explained Below:

By Application:

Television

Monitors

Projectors

Smart Displays

By Technology:

LCD

LED

OLED

Quantum Dot

By Core Functionality:

+357 96 030922
info@marketpublishers.com

Video Processing

Audio Processing

Image Processing

Connectivity

By Component Type:

Integrated Circuits

Microcontrollers

Field Programmable Gate Arrays

By Region:

North America:

U.S.

Canada

Europe:

UK

Germany

France

Spain

Italy

+357 96 030922
info@marketpublishers.com

Rest of Europe

Asia Pacific:

China

India

Japan

Australia

South Korea

Rest of Asia-Pacific

Latin America:

Brazil

Mexico

Rest of Latin America

Middle East & Africa:

Saudi Arabia

South Africa

Rest of Middle East & Africa

Years Considered for the Study:

Historical Year: 2022

+357 96 030922
info@marketpublishers.com

Base Year: 2023

Forecast Period: 2024 to 2032

Key Takeaways:

Market Estimates & Forecasts for 10 years (2022-2032)

Annualized Revenue Insights & Regional-Level Analysis for Each Market Segment

Comprehensive Geographical Breakdown, Including Country-Level Analysis

Competitive Landscape Featuring Key Players & Industry Developments

Strategic Business Insights & Recommendations for Future Market Positioning

Assessment of Market Competition & Structural Analysis

Demand-Side & Supply-Side Analysis of Market Trends

+357 96 030922
info@marketpublishers.com

Contents

+357 96 030922
info@marketpublishers.com

CHAPTER 4. GLOBAL LCD TV CORE CHIP MARKET INDUSTRY ANALYSIS

CHAPTER 5. GLOBAL LCD TV CORE CHIP MARKET SIZE & FORECASTS BY

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

CHAPTER 9. GLOBAL LCD TV CORE CHIP MARKET SIZE & FORECASTS BY REGION 2022-2032

CHAPTER 10. COMPETITIVE INTELLIGENCE

+357 96 030922
info@marketpublishers.com

CHAPTER 11. RESEARCH PROCESS

+357 96 030922
info@marketpublishers.com

List Of Tables

LIST OF TABLES

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

I would like to order

Product name: Global LCD TV Core Chip Market Size Study, by Application (Television, Monitors, Projectors, Smart Displays), by Technology (LCD, LED, OLED, Quantum Dot), by Core Functionality (Video Processing, Audio Processing, Image Processing, Connectivity), by Component Type (Integrated Circuits, Microcontrollers, Field Programmable Gate Arrays) and Regional Forecasts 2022-2032

Product link: https://marketpublishers.com/r/G2921B8C730CEN.html

Price: US$ 3,218.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:
info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page https://marketpublishers.com/r/G2921B8C730CEN.html