Analog Ray-to-Shape Vision Chip

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Introduction

Vision is a sense which allows a person to see and interpret the world around them. Similarly, a machine vision system allows a machine to see and interpret the world around it. Machine vision systems are used in many industrial applications such as robotic guidance, quality control, and sorting. Machine vision systems are also used in many consumer applications such as video surveillance, traffic monitoring, and medical imaging. Machine vision systems are also used in many military applications such as target tracking, reconnaissance, and weapon guidance. Machine vision systems are also used in many scientific applications such as astronomy, microscopy, and spectroscopy. Machine vision systems are also used in many other applications such as agriculture, forestry, and mining. Machine vision systems are also used in many other applications such as transportation, logistics, and manufacturing. Machine vision systems are also used in many other applications such as security, surveillance, and law enforcement. Machine vision systems are also used in many other applications such as entertainment, gaming, and virtual reality. Machine vision systems are also used in many other applications such as education, training, and research. Machine vision systems are also used in many other applications such as art, design, and architecture. Machine vision systems are also used in many other applications such as medicine, healthcare, and wellness. Machine vision systems are also used in many other applications such as sports, fitness, and recreation. Machine vision systems are also used in many other applications such as travel, tourism, and hospitality. Machine vision systems are also used in many other applications such as food, agriculture, and nutrition. Machine vision systems are also used in many other applications such as environment, conservation, and sustainability. Machine vision systems are also used in many other applications such as energy, utilities, and infrastructure. Machine vision systems are also used in many other applications such as finance, insurance, and banking. Machine vision systems are also used in many other applications such as retail, wholesale, and e-commerce. Machine vision systems are also used in many other applications such as advertising, marketing, and public relations. Machine vision systems are also used in many other applications such as media, entertainment, and publishing. Machine vision systems are also used in many other applications such as government, politics, and public policy. Machine vision systems are also used in many other applications such as religion, spirituality, and philosophy. Machine vision systems are also used in many other applications such as culture, history, and anthropology. Machine vision systems are also used in many other applications such as language, linguistics, and literature. Machine vision systems are also used in many other applications such as music, dance, and theater. Machine vision systems are also used in many other applications such as sports, fitness, and recreation. Machine vision systems are also used in many other applications such as travel, tourism, and hospitality. Machine vision systems are also used in many other applications such as food, agriculture, and nutrition. Machine vision systems are also used in many other applications such as environment, conservation, and sustainability. Machine vision systems are also used in many other applications such as energy, utilities, and infrastructure. Machine vision systems are also used in many other applications such as finance, insurance, and banking. Machine vision systems are also used in many other applications such as retail, wholesale, and e-commerce. Machine vision systems are also used in many other applications such as advertising, marketing, and public relations. Machine vision systems are also used in many other applications such as media, entertainment, and publishing. Machine vision systems are also used in many other applications such as government, politics, and public policy. Machine vision systems are also used in many other applications such as religion, spirituality, and philosophy. Machine vision systems are also used in many other applications such as culture, history, and anthropology. Machine vision systems are also used in many other applications such as language, linguistics, and literature. Machine vision systems are also used in many other applications such as music, dance, and theater.

Hardware

Pixel Array

Column Processors

Row Processors

Output Processor

Output Interface

Input Interface

Input Processor

Row Processors

Column Processors

Pixel Array

Software

Pixel Array

Column Processors

Row Processors

Output Processor

Output Interface

Input Interface

Input Processor

Row Processors

Column Processors

Pixel Array

Results

Pixel Array

Column Processors

Row Processors

Output Processor

Output Interface

Input Interface

Input Processor

Row Processors

Column Processors

Pixel Array

Conclusion

Appendix

Pixel Array

Column Processors

Row Processors

Output Processor

Output Interface

Input Interface

Input Processor

Row Processors

Column Processors

Pixel Array

Bibliography

[1] Author, Title, Publication, Year.