

# “LucidEye” Visibility Improver Software IP

Powered by original computing algorithm “DMNA”  
 based on mathematical methods

## 1 Summary

- “LucidEye” improves the visibility of unclear images such as those deteriorated due to weather conditions (snow, haze, or fog), and dark images due to backlight or insufficient illumination.
- This software IP is suitable for security, surveillance applications, etc., as well as for improving image recognition rate by AI.

## 2 Features

- Improves the visibility in various shooting conditions.
- Real-time operation by high speed processing and low CPU load using efficient algorithm.
- Easy to integrate into your system with simple interface.
- Avoids disturbing other operations by using fast and low load algorithm.

## 3 Specifications

CPU	x86, ARM Cortex-A
Image size	320x180 to 1920x1080

## 4 Application Examples



Improved visibility of ship name in the fog



Improved visibility of license plate in the dark

### Contact Information

7F, Gotanda NN Bldg., 2-12-19, Nishi-gotanda, Shinagawa-ku, Tokyo 141-0031

**Techno Mathematical Co., Ltd.**

TEL: +81-3-3492-3633

E-mail: info-sales@tmath.co.jp

FAX: +81-3-3492-3631

URL: <https://www.tmath.co.jp/en/>