

Film Enhancements

AGDisplays Value Add Service

Introduction

If you find your panel display is dull or unclear, consider film enhancements for a quick and cost effective upgrade to panel performance. Film integration solutions provide benefits such as privacy options, viewability features, increased optics, LCD protection and contrast enhancement.

Installing a film enhancement does not compromise electrical specifications or increase power consumption. When integrated into an LCD with a light source, films reflect and/or refract light to create the desired benefit.

Film enhancement integration provides increased LCD performance and protection while keeping costs low.



About Film Enhancements

Why Film Enhancements?

- Film integration is a passive enhancement, meaning there is no change in neither electrical components nor additional wattage consumption
- Various enhancement feature options
- Integration into existing LCD units; retrofits into any size LCD
- Cost effective by increasing brightness while not requiring additional power consumption
- Multiple films and laminations may be used at once, depending on configuration
- Films can allow for change surface finishes. Remove existing films to replace with desired specification, i.e., matte to glossy

When To Use This Service

- If your LCD requires a layer of protection to the front glass
- If you need to change the surface finish of your front glass
- Need to increase brightness and readability on panel
- Do not want to change electronic properties

Prepare Details

- Desired luminance increase
- LCD part number
- Additional components in display assembly configuration
- Environment usage, ex., indoor, outdoor
- Evaluation unit available
- New design or existing solution

Industries

- Avionics
- Financial
- Marine
- Marketing
- Medical
- Military
- Point of Sale
- Transportation

Customer Benefits

- No concern to readjust thermal management, since the enhancement is non-evasive and does not affect the electronics/components
- Up to 140% increase in brightness without increase in power consumption
- Provides for easy integration of features:
 - Increased display contrast and readability
 - Enhanced optics and image clarity
 - Increased side-viewability
 - Decreased side-viewability (privacy)
- Some enhancements provide a shielding layer to the front glass of your LCD, protecting it from scratches and contamination