

FAQ No. 02023

When in whole black screen, the corner or edge is not really dark. Is that normal?

Q: When in whole black screen, the corner or edge is not that dark. Is that normal?

A: This might be the characteristic of the panel or Mura effect. MSI recommend to check the screen with proper lighting. For most case, you won't notice Mura effect in normal use.

For more about *Mura*, please refer below:

About Mura effect

“MURA” is an Japanese word, which means “not even”. For panel or screen, it means it got not even display on it. Some Mura effects are the characteristic of the panel technology, ex: IPS Glow^{*1}. And some might be related to the limitation on producing panel components, ex: unvisible dust in the panel during early production, not even coating during thin film process.

There will be lots of different Mura effect due to different causes. You might notice the not even result at the corner or part of the edge, which got more brightness or darkness than other region on screen when displaying black or gray level pictures in dark room. For most cases, you won't notice the effect in normal use.

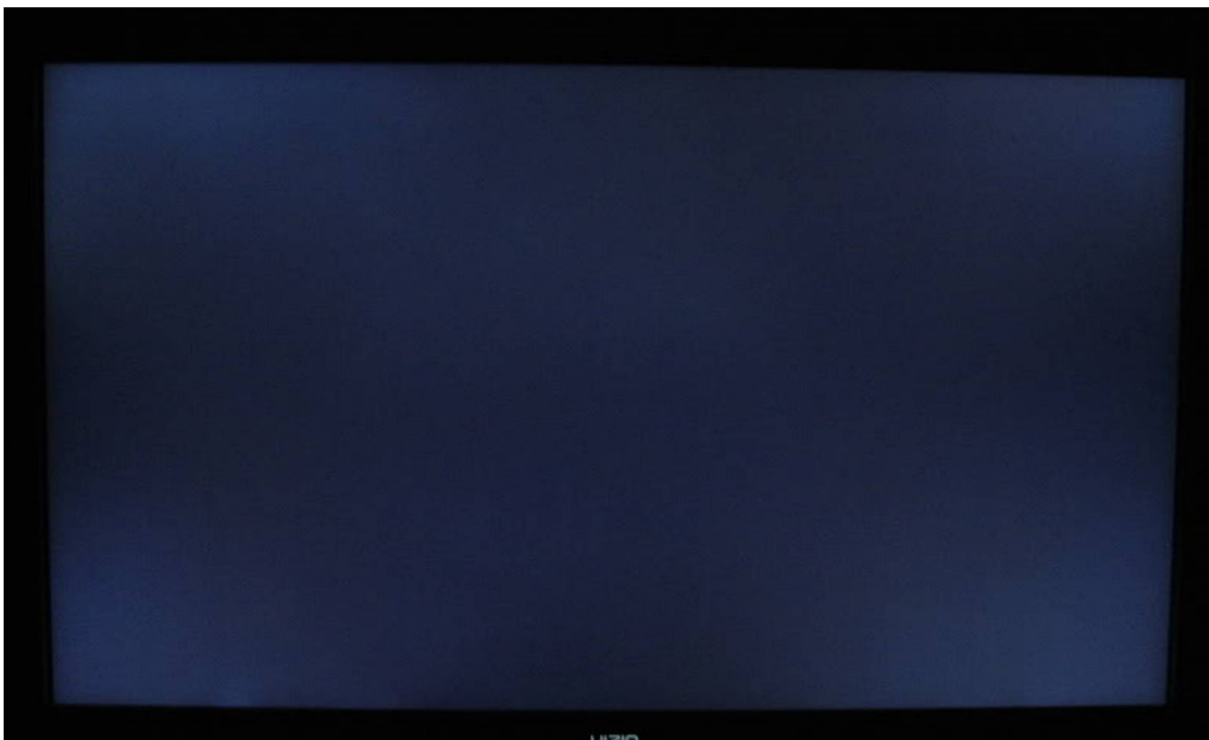
With current panel producing technology, it is almost not possible to avoid this effect happen. But MSI still have some tests during product production to avoid the severe Mura effect and reduce the possibility for customer got such panels.

Currently, MSI uses high-brightness panel for all our notebook products. It might still got some brightness when showing black screen when in dark room due to its characteristic. You shall not worry about this.

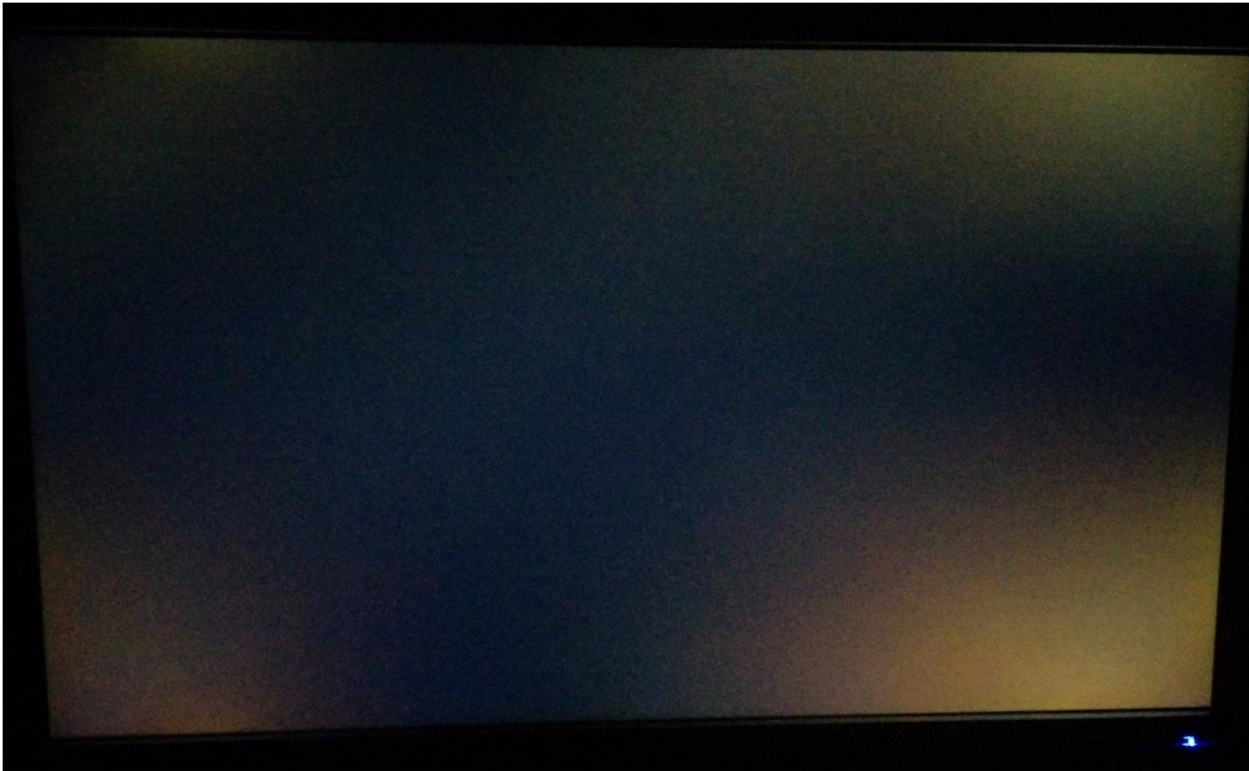
And for other Mura effect, MSI got examination procedure^{*2} during production to avoid severe Mura effect.

※MSI recommend using the notebooks products with proper brightness to make yourself more comfortable.

Example for Mura -1 (Might be *IPS Glow* at the corner or edge)



Example for Mura -2



Note

1. IPS Glow

Due to the characteristic of IPS panel, you might notice it shows different color or brightness at same place from different angle. You can move a little bit away from the monitor to reduce the effect.

Ex: <https://www.youtube.com/watch?v=-eA2IjlotJU>
<https://www.youtube.com/watch?v=MTOsxVC7Z-M>

2. MSI panel examination

Check if there's Mura effect with ND-Filter and specific display output in ambient illumination.