

Mobile Video Solutions: What Makes a WDR Camera a Worthy Investment?

If you need to record video in conditions that are either too dark or too bright, WDR (Wide Dynamic Range) cameras are the perfect solution.

WDR cameras automatically brighten dark areas and automatically darken light areas to produce a clear, high-quality video. But what situations would be ideal for using a WDR camera?

Security Cameras Can Use WDR

Many security cameras use WDR technology to account for changes in lighting throughout the day. For instance, a security camera located outside is going to have enough light for a clear image during the day, but when the sun goes down, a camera without WDR technology doesn't have enough light to display a clear picture.

Depending on where the security camera is located, there may be too much or too little sunlight during the day, and shadows from other buildings could cause issues. However, WDR will ensure the optimum amount of brightness is used no matter where it is located.

Even security cameras located inside can utilize WDR technology to provide a clear picture. A camera located at the entrance of a building, for example, must be able to balance the bright light that comes in every time the door is opened. Otherwise, the area around the entrance will be too bright, making it difficult to see who is entering the building.

Low-Light Environments Can Use WDR

Another main use for WDR cameras is for low-light environments.

To the right is an example of using a forward-facing camera with WDR in low light compared to using a camera without WDR.

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As you can see, the WDR camera brightens up the dark areas so the road can be seen clearly. Likewise, if the camera is in an overly bright area, it will automatically darken the area to provide a clear picture.

This application would be useful for police officers who don't always work in the most ideal settings for cameras when responding to late-night traffic stops, domestic disturbance calls or theft calls.

Long-haul trucking companies also could take advantage of this technology. Some deliveries will need to be made overnight, and with a WDR camera, you can see that an erratic brake was caused by a deer jumping onto the highway or a distracted motorist, absolving your driver of any wrongdoing.

About Pro-Vision

Founded in 2003, Pro-Vision is a leading video technology solutions provider trusted by thousands of organizations in 58 countries. Pro-Vision solutions include vehicle video recording systems, body-worn cameras, data management and cloud-based storage solutions. Pro-Vision's transit, law enforcement and commercial partners utilize these solutions to enhance safety, increase productivity and protect critical assets.



PRO·VISION VIDEO SYSTEMS

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