



WaveCapture

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Wide Dynamic Range is a measure of difference in lighting of bright part of the scene versus dark part of the scene. Cameras with wide dynamic range have special software that allows them to balance the light for a clear image. Such software based control is known as Basic Wide Dynamic Range. Some of our starting range cameras have software based digital WDR.

WaveCapture is a more advanced technology available on advanced professional cameras. WaveCapture enabled cameras use an extremely fast and light-sensitive sensor. The camera captures several shots of the scene at different exposure levels. This creates overexposed and underexposed identical images, which the camera will combine. It takes the most balanced parts of both images, creating the best image you see. Tone mapping is further used to create the best visible image. Feature Highlights

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- Advanced multiframe-multiexposure based effective capturing and merging of video frames to produce real-life like videos
- Using WaveCapture technology, we generate multiple exposure for the scene using faster frame rates
- while controlling per pixel exposures using sensitivity level of sensor. This is combined with processing of
- images using tone mapping which helps retain colour and contrast.
- WaveCapture is accurate balance of colour and reduction in noise producing more naturally coloured images.
- WaveCapture cameras have minimum 120 dB rating.



WDR OFF



WDR ON

WaveCapture Camera Usages

These cameras are ideal for areas like store entrances where the contrast between the sunshine outside and the dim lighting inside can be extremely difficult to view and record. They are also great for tricky lighting situations like

- Lobbies and showrooms with many windows where the contrast between natural light and indoor light causes bright and dark areas
- Indoor recording, where the light when a door opens may make the person and their clothing unrecognizable
- Nighttime recording, where non-IR lighting may overexpose some areas while leaving other areas dark



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