

Cameras

- DORI - stands for Detection, Observation, Recognition and Identification.
 - Detection - person on vehicle present
 - Observation - view activity, clothing
 - Recognition - The recognition level determines with a high degree of certainty whether an individual shown is the same as someone that has been seen before.
 - Identify - The identification level enables the identity of an individual beyond a reasonable doubt.
- Night vision technology:
 - DarkFighter - longer range vs ColorVu. Cannot read license plated with IR.
 - ColorVu - very sensitive sensor + very bright lens. But only 4MP (But in city backlight it behaves better than 8MP color in low illuminance mode). In night mode it enables additional white LED light source. For short range - up to 20m is perfect to see details.
- SVC Scalable Video Coding (SVC) is the name for the Annex G extension of the H.264 or H.265 video

compression standard. The objective of the SVC standardization has been to enable the encoding of a high-quality video bitstream that contains one or more subset bitstreams that can themselves be decoded with a complexity and reconstruction quality similar to that achieved using the existing H.264 or H.265 design with the same quantity of data as in the subset bitstream. The subset bitstream is derived by dropping packets from the larger bitstream. SVC enables forward compatibility for older hardware: the same bitstream can be consumed by basic hardware which can only decode a low-resolution subset, while more advanced hardware will be able decode high quality video stream

Smoothing It refers to the smoothness of the stream. The higher value of the smoothing is, the better fluency of the stream will be, though, the video quality may not be so satisfactory. The lower value of the smoothing is, the higher quality of the stream will be, though it may appear not fluent

2.4.2 ROI ROI (Region of Interest) encoding helps to discriminate the ROI and background information in video compression. The technology assigns more encoding resource to the region of interest, thus to increase the quality of the ROI whereas the background information is less focused.

DS-2CD2347G2-LU

Fixed turret network camera. ColorVU camera U letter in model name - microphone for real-time audio security Firmware: V5.7.10 build 220830

Config hints:

1. reduce contrast from 50 to 35
2. shutter: default 1/12 is slow shutter, to use WDR set it to 1/25

DS-2CD2083G2-I(U)

2.8 mm, horizontal FOV 107°, vertical FOV 57°, diagonal FOV 128° DORI for 2.8 lens:D: 88 m, O: 35 m, R: 17 m, l: 9 m

DS-2CD2043G2-I(U)

4MP

DS-2CD1043G0-I

2.mm FOV 100

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