

[FAQ]

Why is VDV3 Series' IR range inconsistent across different models/resolution?

Release Date: 1/30/2015

Applied to

GV-VDV3 Series IP Cameras

Question

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Answer

All VDV3 use the exact same IR LEDs. The main reason why different VDV3 models have different IR range is because of the sensor. As seen below highlighted in red, different VDV3 models use different sensors (such as Super Low Lux and WDR Pro), and the IR distance is determined by the minimum Lux acceptable for each sensor. The 1.3MP model's sensor has the lowest/best illumination acceptance, so they are able to see further than other sensors when using the same IR LEDs, whereas the Super Low Lux and WDR Pro models have higher/worse illumination acceptance so they are not able to see as far as the Super Low Lux or 1.3MP sensors.

Therefore, the IR range for VDV3 can be classified as below:

Model/Resolution	1.3 MP Sensors	Super Low Lux Sensors	WDR Pro & 5MP Sensors
IR Range	30M	25M	20M

Vandal Proof Dome Specifications (Part 2)

		GV-VD1530	GV-VD2430	GV-VD2530	GV-VD3430
					
Camera					
Image Sensor		1/3" progressive scan super low lux CMOS	1/3.2" progressive scan CMOS	1/2.8" progressive scan super low lux CMOS	1/3.2" progressive scan CMOS
Picture Elements		1280 (H) x 1024 (V)	1920 (H) x 1080 (V)	1920 (H) x 1080 (V)	2048 (H) x 1536 (V)
Minimum Illumination	Color	0.01 Lux	0.08 Lux	0.02 Lux	0.08 Lux
	B/W	0.01 Lux	0.05 Lux	0.02 Lux	0.05 Lux
	IR ON	0 Lux			

For any question on the information provided, please feel free to submit your question to our support window at support@geovision.com.tw