

DCRI Surveillance Levels for the High Speed Positioning System - IR360

Solution Brief

Bosch infrared products are tested for performance to DCRI surveillance levels, a standard developed originally by John Johnson in his foundational work for the United States Army Night Vision lab. Conformance to Johnson's Criteria ensures that Bosch solutions deliver outstanding video at any one of the four levels of surveillance shown below, assuring security specifiers the broadest range of capability.

Detection

A target is determined to be present in the camera's field of view (i.e. something in the field of view is present and/or moving)



Classification

Target can be distinguished between human and animal (i.e. an upright human or animal walking on four legs)



Recognition

Human target is determined to be a threat by the type of clothing and/or equipment being carried (i.e. friend or foe)



Identification

Human target can be identified as a specific individual (i.e. a specific person)



Camera: Dinion LTC 0630 Lens: 8.6 - 154 mm			
	UFLED10-8BD Illuminator	UFLED20-8BD Illuminator	UFLED30-8BD Illuminator
Level	Distance	Distance	Distance
Detection	220m (722ft)	150m (492ft)	110m (360ft)
Classification	190m (625ft)	150m (492ft)	110m (360ft)
Recognition	128m (419ft)	128m (419ft)	110m (360ft)
Identification	58m (190ft)	58m (190ft)	58m (190ft)

Camera: Dinion LTC 0630 Lens: 8 - 120 mm			
	UFLED10-8BD Illuminator	UFLED20-8BD Illuminator	UFLED30-8BD Illuminator
Level	Distance	Distance	Distance
Detection	180m (590ft)	150m (492ft)	110m (360ft)
Classification	148m (485ft)	148m (485ft)	110m (360ft)
Recognition	99m (324ft)	99m (324ft)	99m (324ft)
Identification	45m (147ft)	45m (147ft)	45m (147ft)

Camera: Dinion LTC 0630 Lens: 8.5 - 85 mm			
	UFLED10-8BD Illuminator	UFLED20-8BD Illuminator	UFLED30-8BD Illuminator
Level	Distance	Distance	Distance
Detection	128m (590ft)	128m (590ft)	110m (360ft)
Classification	105m (485ft)	105m (485ft)	105m (485ft)
Recognition	70m (324ft)	70m (324ft)	70m (324ft)
Identification	32m (147ft)	32m (147ft)	32m (147ft)

Camera: Dinion LTC 0498 Lens: 8.6 - 154 mm			
	UFLED10-8BD Illuminator	UFLED20-8BD Illuminator	UFLED30-8BD Illuminator
Level	Distance	Distance	Distance
Detection	220m (722ft)	150m (492ft)	110m (360ft)
Classification	220m (722ft)	150m (492ft)	110m (360ft)
Recognition	167m (548ft)	150m (492ft)	110m (360ft)
Identification	75m (246ft)	75m (246ft)	75m (246ft)

Camera: Dinion LTC 0498 Lens: 8 - 120 mm			
	UFLED10-8BD Illuminator	UFLED20-8BD Illuminator	UFLED30-8BD Illuminator
Level	Distance	Distance	Distance
Detection	220m (722ft)	150m (492ft)	110m (360ft)
Classification	190m (625ft)	150m (492ft)	110m (360ft)
Recognition	128m (419ft)	128m (419ft)	110m (360ft)
Identification	58m (190ft)	58m (190ft)	58m (190ft)

Camera: Dinion LTC 0498 Lens: 8.5 - 85 mm			
	UFLED10-8BD Illuminator	UFLED20-8BD Illuminator	UFLED30-8BD Illuminator
Level	Distance	Distance	Distance
Detection	166m (545ft)	150m (492ft)	110m (360ft)
Classification	137m (449ft)	137m (449ft)	110m (360ft)
Recognition	91m (298ft)	91m (298ft)	91m (298ft)
Identification	42m (138ft)	42m (138ft)	42m (138ft)