

VK-S454 IR Sensitivity

VK-S454 IR Cut Filter OUT/IN Theshold Points							
AE Mode	IR ON --> OFF Threshold [lx]		IR OFF --> ON Threshold [lx]		Reference		
	Default Data	Recommended New Data	Default Data	Recommended New Data	Design Philosophy	Condition	DSS
PAER1	33	34	1800	510	Best S/N	IR Cut Filter OUT/IN @ AGC Gain = Low Values	No
PAER2	8.5	5.1	1120	212	Best Color	IR Cut Filter OUT/IN @ AGC Gain = High Values	No
PAER+1	36	35	1800	310	Best S/N	IR Cut Filter OUT/IN @ AGC Gain = Low Values	Yes
PAER+2	1.4	1.2	270	102	Combo S/N&Color	IR Cut Filter OUT/IN @ AGC Gain = Mid Values	Yes
PAER+3	0.3	0.3	90	29	Best Color	IR Cut Filter OUT/IN @ AGC Gain = High Values	Yes

Measurement Conditions:

Camera viewing a Greyscale Chart
 Camera set at full Wide optical zoom
 Adjustable Halogen lighting used for illumination

Note: The Threshold Point for IR Cut Filter OFF --> ON
 will vary depending on the ratio of visible vs Infra-red
 light in the lighting source.

VK-S454 IR Cut Filter Threshold Data

AE Mode	IR ON --> OFF			IR OFF --> ON		
	EEPROM	Default	Recommended	EEPROM	Default	Recommended
	Register	Data	New Data	Register	Data	New Data
PAER1	\$1083	H'3E	H'32	\$1088	H'48	H'36
PAER2	\$1084	H'26	H'14	\$1089	H'52	H'40
PAER+1	\$1085	H'3F	H'32	\$108A	H'48	H'2A
PAER+2	\$1086	H'37	H'2B	\$108B	H'5B	H'4B
PAER+3	\$1087	H'24	H'0F	\$108C	H'5A	H'50