MallinCam Camera Comparison Sheet

	JR	MCHP	VSS	VSS PLUS	XTREME
CCD Sensor - B&W	ICX428AKL Exview HAD	ICX428ALL-A Exview HAD	ICX428ALL-A Exview HAD	ICX428ALL-A Exview HAD	ICX428ALL-A Exview HAD
CCD Sensor - Color		ICX418AKL-A***	ICX418AKL-A***	ICX418AKL-A***	ICX418AKL-A***
Compsite Video Out	YES	YES	YES	YES	YES
S-Video Out	NO	YES	YES	YES	YES
Internal Peltier Cooler (TEC)	NO	YES	YES	YES	YES
TEC - ON/OFF or ADJUSTABLE	No TEC	ON/OFF	ADJUSTABLE	ADJUSTABLE	ADJUSTABLE
Shortest Exposure (Seconds)	1/10,000	1/12,000	1/12,000	1/12,000	1/12,000
Long Exposures (Seconds)	Up to 4	2.1,7,14,28,56	2.1, 3.3 - 112	2.1, 3.3-112	UP TO 100 MINUTES VIA PC CONTROL AND 99 MINUTES VIA WIRELESS EXPOSURE CONTORLLER
PC Menu Control	NO	YES	YES	YES	YES
PC Exposure Control	NO	NO	YES*	YES*	YES
Keypad Menu Control	NO	YES	YES	YES	YES
Keypad Exposure Control	NO	NO	Via Menu**	YES	NO****

* HYPER OFF(2.1 Seconds), HYPER ON(Exposure set by Knob on Camera) and HYPER X2 (Exposure twice the Knob Setting)

** SYNC=VBS (2.1 Seconds), SYNC= INT (Exposure set by Knob on Camera) and SYNC=LINE (Exposure twice the Knob Setting)

*** EXview HAD CCD Sensor available as an option for greater sensitivity

**** Full Exposure Control is possible from the PC Control Software or Wireless Exposure Control Module (WEC). If a WEC is used with an XTREME,
     it can be left connected while controlling the exposure with the PC software. You can also adjust the exposure with the WEC, but first you
     must stop the active integration in the PC software.

Green power-on LED MCHP cameras can be upgraded to an XTREME and can be fully PC controlled using a Green Control Cable. The Wireless Exposure Control Module can be used as well when the Green XTREME is not under PC control. However, a Wired Keypad for menu adjusting cannot be used with a Green XTREME due to the difference in the the Auxiliary Port. In addition, Green XTREMEs won't perform as well as current XTREMEs due to advances in some of the electronics.