





## Typical Performance

Parameter	Value
Detector type	HOT XBn Array
FPA spectral range	3.6÷4.2 $\mu\text{m}$ (1-4.2um available on request)
Format	1280×1024
Pitch	10 $\mu\text{m}$
Size	Length (optical axis) - 80 mm
Weight	Weight < 350gr
Power consumption (at 23C at 60Hz)	Cooler <2.5 W Proximity electronics <2.5W
Integration modes	ITR, IWR, others
Integration capacitors and their Floor Noise (FN) *	0.3Me- ; FN = 80e- 0.5Me- ; FN = 120e- (ITR mode only) 2.0Me- ; FN = 340e- ITR/500e- IWR 3.5Me- ; FN = 1200e- (ITR mode only)
Maximum Frame Rate	90 Hz (full window, raw image)
Video Output	Camera Link Digital output
Digital Signal Resolution	13 bit
Readout Mode	Normal / 2x2 Binning
Readout direction	Bottom-up / Left-Right
Windowing	Flexible: at 2 row steps
NETD (2Me- Cap.)	< 25mK @ 70% well fill capacity
Local Residual Non Uniformity	< 0.04% STD/DR @ 10-80% well fill capacity
F Number	F/3.4, F/4 (Others per customer request)
Cooler Options	K580 / SX-020 / RM15

\* ITR and IWR modes are possible unless otherwise noted. Floor noise is specified in IWR mode. Floor noise in ITR mode is equal or lower than IWR mode.

Specifications are subject to changes without further notice