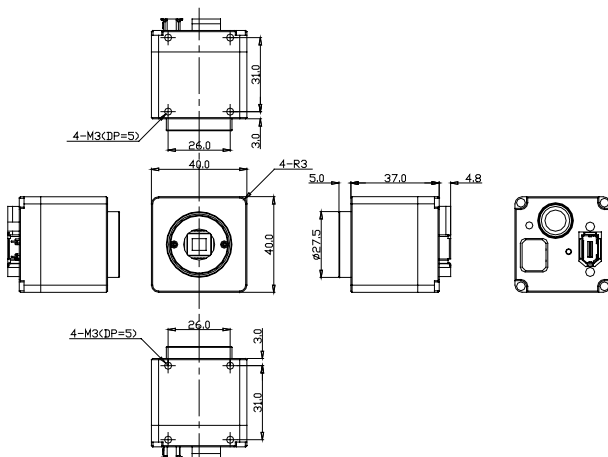


The NILE Series is comprised of Sony Digital Area Scan CCD Cameras with a FireWire Interface and an external trigger for the most demanding industrial machine vision applications. NILE series cameras provide excellent image quality, color rendition and a compact form factor, which afford versatility when space and weight are important considerations of an application. The IMX-5120FT camera in particular has excellent spectral sensitivity for broad-spectrum illumination. The Nile cameras are also among the few digital cameras that support an Auto Iris under DC control. The NILE cameras offer you a wide selection of characteristics while supporting all the latest features, and built in Auto Iris support.



Specification	IMx-5140FT	IMx-5120FT	IMx-5080FT	IMX-5040FT
Image Sensor	1/2" CCD ICX267 AK/AL	1/3" CCD ICX445 AQ/AL	1/3" CCD ICX204 AK/AL	1/3" CCD ICX424 AK/AL
Picture Size	1388(H) x 1040(V) (*1388(H) x 1036(V))	1292(H) x 960(V)	1024(H) x 768(V)	640(H) x 480(V)
Data Path	12bit , Raw RGB, YUV422, Mono 8, Mono 16			
Pixel Size	4.65 x 4.65 $\mu$ m	3.75 x 3.75 $\mu$ m	4.65 x 4.65 $\mu$ m	7.40 x 7.40 $\mu$ m
Max FPS / Max Res.	20 fps	25 fps	36 fps	86 fps
Scanning System	Progressive Scan			
Binning	2x2, 1x2 (*Color :Not Supported)			
Format7	Partial Scan (Unit : 4x4)			
Trigger	Edge	Rising Edge or Falling Edge Photo-Coupler		
	Mode	Mode 0, 1, 2, 3, 4, 5,14,15		
	Source	External Trigger or Software Trigger		
Strobe Output	Active Low or High, Support Normal Mode or Trigger Mode Photo-Coupler			
Memory Save/Load	16 Channels(0:factory, 1~4:feature, 5~15:mode/feature)			
SIO(RS-232)	IIDC v.31 version : Pass through or IMI-Tech Command			
Digital Interface	IEEE 1394.a (6pin) 1 Port			
Transfer Rate	400 Mbps			
Shutter Speed	Manual or Auto / Range : 1 $\mu$ sec ~ 3600 sec			
Gain Control	0~ 18 dB Manual or Auto			
S/N Ratio	56 dB or better			
Control Function	Brightness, Sharpness, Gamma, Auto-Exposure, Auto Shutter, Auto Gain, Pan/Tilt, User defined AE, *Auto White Balance, IRIS (Auto/Manual DC Control)			
Lens Mount	C / CS Mount			
External Dimension	40(W) x 40(H) x 37(D) mm / approx. 100 gram			



#### Major Features

- Auto Iris (DC Control) in Compact Size
- Hardware YUV / Auto White Balance
- External Trigger support
- Multi Camera Auto Sync support
- One shot and Multishot / Frame Save
- SIO Pass through and Strobe support
- Partial Scan and Binning support
- 4 Point LUT and User Defined LUT

