

Update!

HAN SERIES

FIREWIRE DIGITAL CAMERA LINEUP

COLOR, BLACK & WHITE

Compact Size

IIDC1.31 compliant

YUV / AWB / Ext. Trigger

Auto Sync. / LUT



16FPS at 1600x1200

IMI HAN SERIES IMx-1200FT/3145FT/1140FT/1080FT/1070FT/1050FT/1040FT

Overview

The HAN SERIES comprises a host of features in an ULTRA COMPACT form factor; while supporting the highest frame rate compared to competing models. The small form factor provides more versatility in space and weight



considerations to benefit the actual operation and installation. Every unit has passed our rigorous testing procedure to ensure reliability even in mission critical applications.

**FIREWIRE WITH EXTERNAL TRIGGER
INDUSTRIAL LOCK SCREW CONNECTOR**



Features

The fully IIDC 1.31 compliant HAN SERIES supports up to 16 FPS at 1600 x 1200 and is rich in features necessary for all applications. The External Trigger supports mode 0, 1, 2, 3, 4, 5 and 14 and 15 which are unique compared with others. All models support Photo-coupler and multi camera auto sync, which are ideal for application for multiple cameras, and other advanced features such as memory save/load and one-shot and multi-shot capability. In addition, RS232 Pass through, 1us ~ 3600s shutter speed, True Speed Format 7 Partial Scan, LUT(4point, user defined), horizontal and vertical Binning mode 1x2, 2x2 provide maximum flexibility for challenging applications. The latest HAN SERIES firmware can be upgraded via FIREWIRE, and can be downloaded together with SDK and Demo Applications from our website.



Applications

Machine Vision & ITS (LPR)

Semi Con Inspection

F&B Inspect ion

Microscopy & Medical

Industrial Analysis

Bar Code, OCR, OCV



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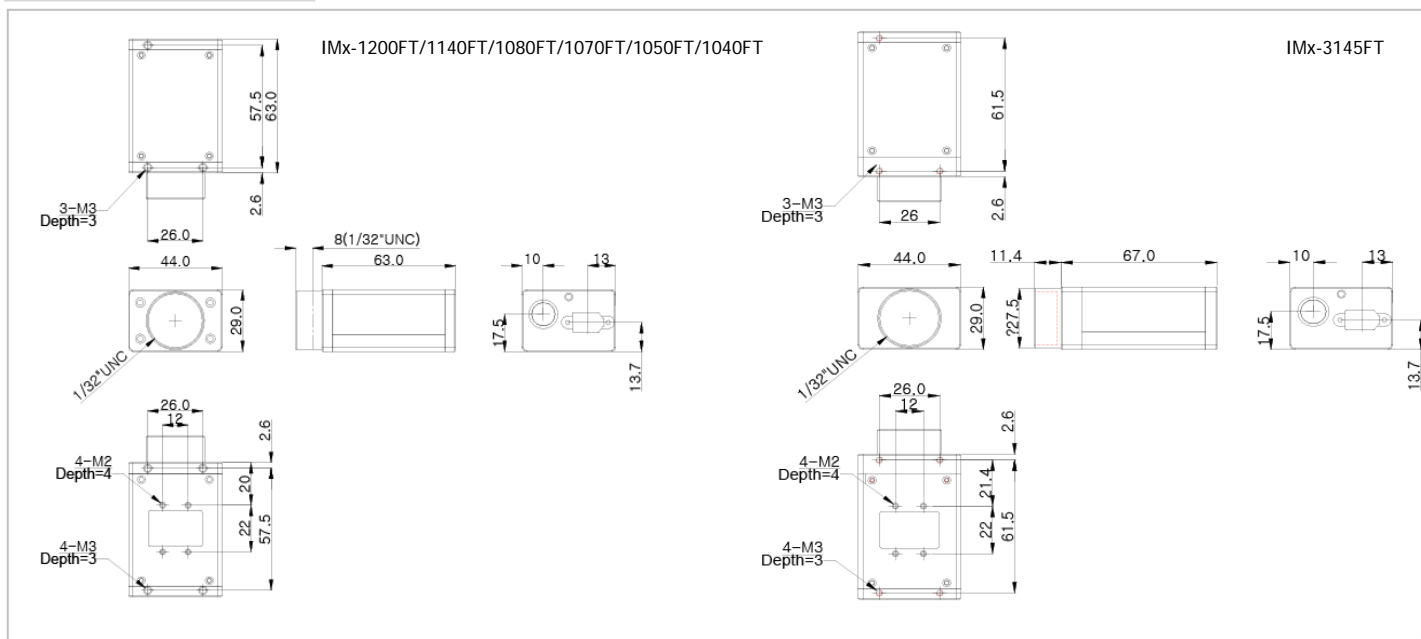
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For Sales Inquiry and Technical Support ▶

Dimension (in mm)



Specifications

Features	IMx-1200FT	IMx-3145FT	IMx-1140FT	IMx-1080FT	IMx-1070FT	IMx-1050FT	IMx-1040FT
Image Sensor	1/1.8" Sony CCD ICX274AL/AQ	2/3" Sony CCD ICX285 AL/AQ	1/2" Sony CCD ICX205 AL/AK	1/3" Sony CCD ICX204 AL/AK	1/2" Sony CCD ICX415 AL/AQ	1/2" Sony CCD ICX414 AL/AQ	1/3" Sony CCD ICX424 AL/AQ
Picture Size	1600 x 1200	1392 x 1040	1392 x 1040	1024 x 768	780 x 580	692 x 504	640 x 480
Data Output	Raw RGB, YUV422, Y8, Y16						
Pixel Depth	12 bit						
Pixel Size	4.40 x 4.40um	6.45 x 6.45um	4.65 x 4.65um	4.65 x 4.65um	8.3 x 8.3um	9.90 x 9.09um	7.40 x 7.40um
FPS at Max resolution	16fps	20fps	20fps	36fps	60fps	86fps	86fps
Scanning System	Progressive Scan						
Binning	2x2, 1x2	2x2, 1x2 (only for B/W Models)					
Format7	Partial Scan (Unit : 4x4)						
External Trigger	Mode 0, 1, 2, 3, 4, 5, 14, 15 (Additional Mode 12, 13 for 3145FT)						
Strobe Output	Active High, Support Normal Mode or Trigger Mode (Photo-coupler)						
Memory Save/Load	16 Channels(0:factory, 1~4:feature, 5~15:mode/feature)						
One-shot/Multi-shot	1 Shot ~65,535 Shots						
SIO (RS-232)	IIOC v3.1version : Pass Through or IMI-Tech Command						
Digital Interface	IEEE 1394a (12pin) 1 Port						
Transfer Rate	400 Mbps						
Shutter	1 usec ~ 3600 sec (Manual or Auto)						
Gain Control	0~18 dB (Manual or Auto)						
S/N Ratio	56dB or better						
Control Function	Brightness, Sharpness, Gamma, Auto-Exposure, Shutter, Gain, Pan/Tilt, LUT(4point, user defined) Hue, Saturation, Auto White Balance for Color model						
Lens Mount	C Mount						
Supply Voltage & Power	8 VDC ~ 30 VDC, 260mA 12V DC						
Dimensions weight	44 (W) x 29 (H) x 63 (D) mm / approx. 110 gram 44 (W) x 29 (H) x 67 (D) mm / approx. 110 gram for 3145FT						

Note: Specification may be subject to change without notice.