

Ikegami

Ultra Low-light Multi-Purpose Compact Camera

HDL-F3000

Get ready for a skywalk!



Extreme Starlight Vision

Ultra Low-light

0.0068 lx or less
Minimum Illumination
(0.000057 lx with Frame
Accumulation ON)

Low Light Comparison with Conventional HD Camera



Conventional HD Camera



HDL-F3000

Quality Picture under Any Illumination

There is virtually no loss of quality caused by the difference in illumination, it can produce high quality pictures under any condition, day or night.

Compact & Light Camera Head

Ideal for Airborne Gyro use because of its compact and light camera head.
(camera head : approx. 1.0 kg (2.2 lbs.))

Clear Image

Image Adjustment
Functions such as digital
zoom, haze removal and
backlight correction to
capture clear images
under difficult conditions.



Raw Image



Improved Image

High Definition

2.6M pixel 3 sensor Multi-format camera
with S/N 64dB or more

Specifications

Signal Format		1080/59.94i, 1080/50i, 1080/29.97psF, 1080/25psF, 720/59.94p, 720/50p			
Image Sensor		Three 2/3-inch 2.6million pixel MOS			
Minimum Illumination		0.0068 lx or less (0.000057 lx with Frame Accumulation ON)			
Optical System		2/3-inch, RGB prism, F1.4			
Lens Mount		BTA S-1005B			
Motorized Optical ND Filter		1	2	3	4
		100%	25%	6.2%	1.6%
(Optional IR-Pass filter is available)					
Electrical Color Filter		3200 / 4300 / 6300 / 8000K			
Power Requirement		+11VDC to +16VDC (Up to 30m Camera Cable)			
Operating Temperature	Camera Head	-20°C to +45°C (-4°F to 113°F)			
	CCU	-10°C to +45°C (14°F to 113°F)			
Storage Temperature	Camera Head	-30°C to +60°C (-22°F to 140°F)			
	CCU	-20°C to +60°C (-4°F to 140°F)			
Dimensions	Camera Head	W100 x H123 x D80 mm (W3.94 x H4.84 x D3.15 inch)			
	CCU	W120 x H105 x D180 mm (W4.75 x H4.13 x D7.09 inch)			
Weight	Camera Head	approx. 1.0 kg (2.2 lbs.)			
	CCU	approx. 1.5 kg (3.3 lbs.)			
S/N Ratio		64dB or more (1080/59.94i with NR ON)			
Limiting Resolution		1000 TV lines			
Gain		-6, -3, 0, 3, 6, 9, 12, 18, 24, 30, 36, 42, 48, 54, 60, 66, 72dB			
Gamma		OFF, 0.35, 0.40, 0.45			
Electrical Shutter		1/100, 1/120, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/10000 (Variable Shutter available)			
Frame Accumulation		1/30, 1/15, 1/10, 1/8, 1/6, 1/5, 1/4, 1/3, 1/2, 1, 2			
Digital Zoom		x1.1 to 10.0			
Power Consumption	Camera Head	approx. 9.8W			
	CCU	approx. 23W			
Output Signal		2ch HD-SDI (SMPTE292M)			
External Sync Input	HDTV	PS 1Vp-p, Sync 0.6Vp-p			
	SDTV	VBS 1Vp-p, BBS 0.3Vp-p			

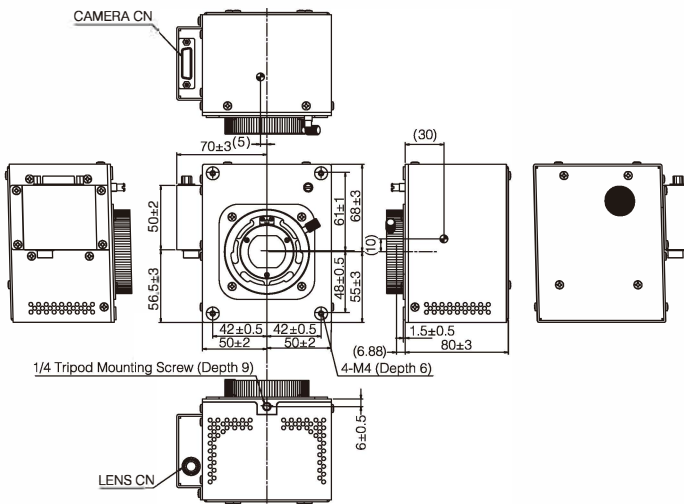
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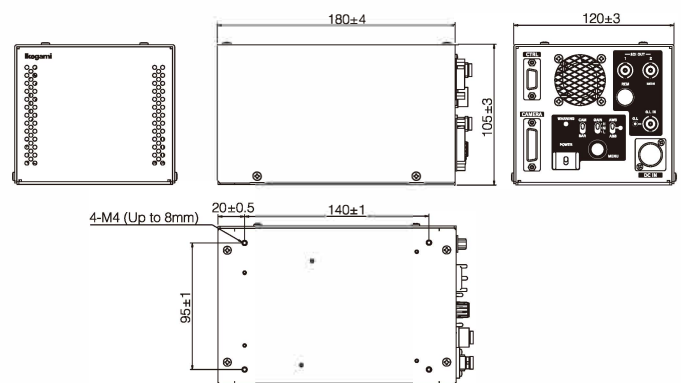


Rear Panel of CCU

■ Camera Head (mm)



■ Camera Control Unit (mm)



Design and specifications are subject to change without notice.

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