

Ultra High sensitive HD Digital Camera

Color Camera **FZ-B1**

**1 CMOS
Standard
Model**

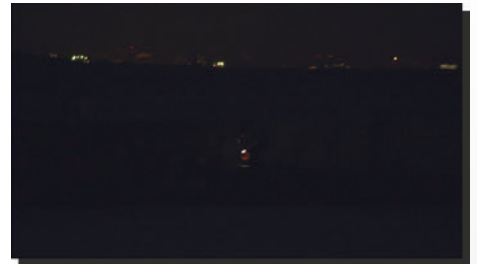
Overseas Complied Model
(FCC · CE)



Iris Open / Gain Up



Sensitivity Up



Iris Open / Gain 0

1600 times more sensitive than normal camera!

- ◇ 2/3" CMOS color sensor, ultra high sensitive digital camera
- ◇ The power-saving camera with non-cooling type
- ◇ Low noise and clear images at high sensitivity
- ◇ Switchable, 1080i (59.94Hz or 50Hz) / 720p (59.94Hz or 50Hz) (HD-SDI)
- ◇ Gen Lock, (BB/3 level sync)
- ◇ Wide wavelength sensor and IR cut or through glass On/Off switch
- ◇ Compact and one piece model for easy installation in the system
- ◇ Color motion images under minimum illumination at 0.005Lx
- ◇ Effective use at night operation for the Coast Guard, Traffic Control, Police Activity and ecology observation

Sensitivity of Comparison image



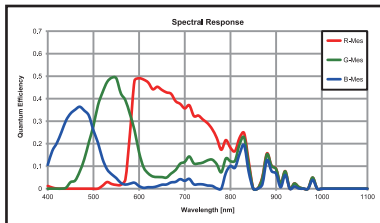
Capture the image in the dark and target can be visible !

Special use ultra high sensitive HDTV digital camera

- Compact and low power consumption for system Installation
- Effective for ecology observation through day and night
- Effective for Coast Guard, Traffic Controls, Police activity at night

Spectrum sensitivity graph

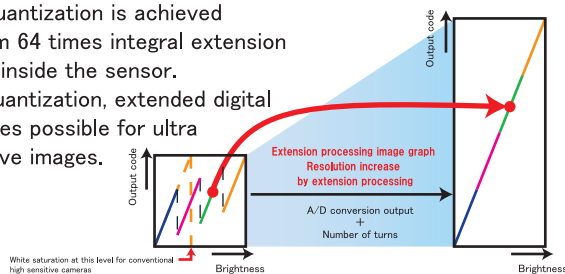
Sensor covers wide range of spectrum wave length from near ultraviolet to near infrared and capable of shooting for various applications



« Provisional »

Integral extension Processing

Large bit quantization is achieved by maximum 64 times integral extension processing inside the sensor. With this quantization, extended digital gain becomes possible for ultra high sensitive images.



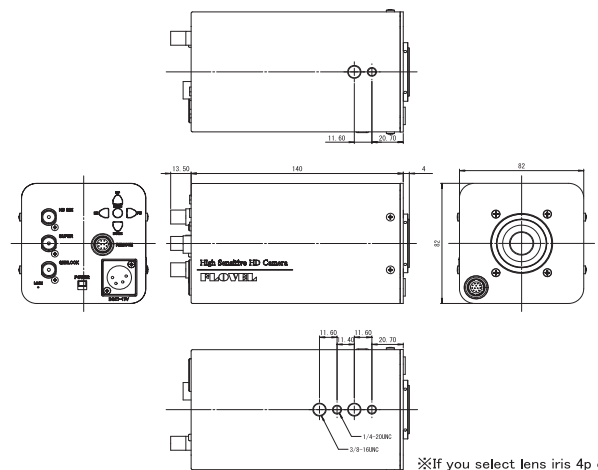
Optional items

<p>Remote Controller RM-5</p>	<p>Lens Mount Conversion Adaptor (C→B4) ACM-6B (Fujinon product)</p>	<p>AC Adaptor (IDX product) IA-60a</p>
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Major Specifications

Imaging element	HbCMOS Image Sensor
Image size	2/3"
Unit cell size	7.1 μm(H) × 7.1 μm(V)
Effective area size	9.1mm(H) × 7.3mm(V), Diagonal 11.6mm
Shutter	Rolling electronic shutter
Sensor Total pixels	App.1.47 mega pixels 【1480(H) × 1042(V)】
Sensor Effective pixels	App.1.32 mega pixels 【1288(H) × 1032(V)】
Lens Mount	C Mount
Sensor Frame Rate	1/2 of video output frequency
Shutter Speed	High, max 1/33000 (1080i/59.94Hz) Slow, max 1/0.5
Video	1080i (59.94Hz or 50Hz) / 720p (59.94Hz or 50Hz)
Output I/F	HD-SDI
SN Ratio	48dB or better
Minimum illumination	0.005Lx (Color motion image, Maximum sensitivity, F1.4)
Dimensions	App. 82(W) × 82(H) × 140(D)mm
Power Consumption	App. 15W
Power Voltage	DC11-17V
Weight	App. 1.0Kg

Outside dimensions



※If you select lens iris 4p connector, connector shall be at side panel (12p is at the rear side)



Caution about safety : Please use safely and be sure to read the operation manuals before use.

<http://www.flovel.co.jp>

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■ The above specification contents are as of December 2012. 0012H003
※ The specifications are subject to change without notice.

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