

## Single CMOS Sensor Compact Camera Camera Link



- 0.38MPIX** KP-FM(R)30WCL
- 2.3MPIX** KP-FM(R)230WCL
- 5MPIX** KP-FM(R)520WCL

### Features

- **High Resolution and High-Speed Output**
- **Compact Body**  
Effective size for narrow space:  
Dimensions; 29mm(W) × 29mm(H) × 29mm(D),  
Weight; approx. 45g
- **Global Shutter**  
Stable and no distortion Video signal against  
fast subject movement by G/S sensor
- **Frame On Demand**  
Image can be captured at any timing by inputting a trigger signal
- **Selective Frame Rate**  
Frame rates can be selected by setting the Camera Link  
output tap and Camera Link frequency
- **Selective Power Supply**  
DC Power can be supplied from the frame grabber board through the  
Camera Link cable, and can be also supplied from the DCIN/SYNC port.

### Specifications

Model Line up	0.38 Million Pixels	2.3 Million Pixels	5 Million Pixels
Model Name	Mono: KP-FM30WCL Color: KP-FMR30WCL	Mono: KP-FM230WCL Color: KP-FMR230WCL	Mono: KP-FM520WCL Color: KP-FMR520WCL
Imaging Sensor	Global Shutter CMOS: Mono/ Color		
Imaging Pixels	720(H) × 540(V)	1920(H) × 1200(V)	2448(H) × 2048(V)
Frame Rate	Max. 523.5fps	Max. 92.6fps	Max. 35.7fps
Pixel's Size	6.9μm × 6.9μm	3.45μm × 3.45μm	
Lens Mount	C Mount		
Mainly Functions	Trigger, Partial scan, Electronic shutter		
Power Consumption	DC12V±1V approx. 167mA		
External Dimensions	29(W) × 29(H) × 29(D)mm (excluding protrusions)		
Mass	Approx. 45g (excluding lens)		

This product shall be proceeded in necessary steps under applicable export control laws and regulations before shipment. These specifications are subject to change without notice. All other trademarks are the property of their respective owners.

**CAUTION** : To ensure safe operation, please read the instruction manual before using this product.

#### KOKUSAI DENKI Electric Inc.

URL : <https://www.kokusaidenki.co.jp/global/en/index.html>  
32, Miyuki-cho, kodaira-shi, Tokyo 187-8511, Japan  
Phone : +81-42-322-3111, Fax : +81-42-322-3303

#### KOKUSAI DENKI Electric Asia Pte. Ltd.

URL: <https://www.kokusaidenki.com.sg>  
9 Tampines Grande, Asia Green, #02-00,  
Singapore 528 735  
Phone : +65-6911-6794

#### KOKUSAI DENKI Electric America, Inc.

URL: <https://www.kokusaidenki.us>

##### Headquarters

104 Feeding Hills Road Southwick, MA 01077, U.S.A.  
Toll Free : +1 (833) 227-1658,  
Phone : +1 (669) 207-5038

##### West Office

11258 Monarch Street, Unit H  
Garden Grove, CA 92841, U.S.A.

##### West Sales

Phone : +1 (516) 682-4448

##### East Sales

Phone : +1 (516) 682-4445

##### Midwest Sales

Phone : +1 (516) 682-4450

#### KOKUSAI DENKI Electric Europe GmbH

URL : <https://www.kokusaidenki.eu>

##### Frankfurt Head Office

Siemensstr. 9, D-63263 Neu-Isenburg, Germany  
Phone : +49 (0) 6102-8332-0, Fax : +49 (0) 6102-8332-499

##### London Office

Orion House, Bessemer Road, Welwyn Garden City, Herts,  
AL7 1HH, UK  
Phone : +44 (0) 7808 330195

#### KOKUSAI DENKI Electric Linear S/A

URL : <https://www.kokusaidenki.com.br>

Avenida Frederico de Paula Cunha, 1001 - Maristela  
Santa Rita do Sapucaí - MG - Brasil - CEP: 37540-000  
Phone : +55 (35) 3473-3473, Fax : +55 (35) 3473-3474