

Interlace Scan KP-M1A, KP-M2, KP-M3 Series



KP-M1A, M2, M3

- Compact and Lightweight
- Choice of Image Format: 2/3", 1/2", 1/3"
- Choice of Camera Body Design
- High Resolution
- High Sensitivity
- Multiple Step Electronic Shutter
- Internal or External Sync Modes
- Field or Frame Integration Modes
- Field-on-Demand Mode

Specifications

	KP-M1A	KP-M2	KP-M3
Imager:	2/3"	1/2"	1/3"
	Interline transfer CCD		
Pixels:	768x494	768x494	768x494
Cell Size:	11.64x13.5	8.4x9.8	6.35x7.4
Resolution:	570 TV lines		
Min. Illum.	0.3 lux at f1.4		
S/N:	56 db		
Gamma:	0.45 or 1.0 selectable		
Integration:	Field or Frame Selection		
Trigger:	Field-on-Demand or Asynchronous Reset		
Sync:	Internal / External		
AGC:	On / Off		
Shutter:	1/60 - 1/10000		
Output:	RS-170 1.0 V p-p		
Power:	12 volts DC		
Size: (W x H x D)	44 x 29 x 72 mm		
Weight:	120 grams		
Lens:	C - Mount		

The **KP-M** series of black and white cameras with their compact size and light weight, are ideal for machine vision and other industrial applications. Aluminum die castings provide for a rugged camera that is resistant to vibration. The use of high grade image sensors provide excellent resolution and sensitivity. Standard features include multiple step electronic shutter, field-on-demand, asynchronous reset, and internal or external sync. For improved vertical resolution, the cameras offer the choice of field or frame integration. Switches are provided for gamma correction and AGC. All connections can be made through the use of the standard 12 pin Hirose connector, in addition a BNC connector is provided for video output. Additional versions of the camera include, the **KP-MC1** (side view), and the **KP-MB1** (compact head separated type). The field-on-demand feature found on the **KP-M1A, KP-M2 and M3**, allows an image to be output immediately after a trigger pulse. All versions are available in EIA or CCIR formats.



The **KP-MB series** offers a compact head that can be separated up to 1 meter from the camera body.

The **KP-MC series** has the imager rotated by 90 degrees from normal to allow mounting where front to back depth is critical.



KP-M Series Rear Panel