

# Compact Color Camera KP-D8



## 1/3 Inch Compact Color Camera KP-D8

- Compact Self Contained Color Camera
- Digital Signal Processing (DSP)
- Auto Electronic Shutter (AES)
- Auto Tracking White Balance (ATW)
- 2 H Enhancer for Sharp Picture Quality
- Composite and Y/C Outputs
- Output for Auto Iris Lens
- Positive / Negative Picture Polarity
- RS-232C Remote Control Interface

The **KP-D8** is a very small compact self contained single CCD color camera, featuring a 1/3 inch microlens CCD. The camera achieves high resolution and high sensitivity by means of its 410,000 pixel CCD. Digital signal processing enables functions such as a 2H enhancer, aperture correction, and two modes of shutter control. A fixed shutter can be selected in four steps, or AES control can be selected to maintain optimum video output level, when using a lens without an auto iris. Three modes of auto white balance can be selected. In the ATW mode, the camera will track and maintain white balance over a wide range of color temperatures. Remote control of all camera functions is available via a RS-232C interface. The camera needs only a 12 volt DC supply to function. A single Hirose connector is provided for power, camera output, and serial data for remote control. A separate connector is provided for auto iris control.

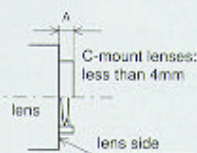
Tripod adaptor  
TA-D8



### Special mount lenses (Recommended lenses)



| Iris      | Type desig.                 | Spec.      | Angle of view(Hor.) |
|-----------|-----------------------------|------------|---------------------|
| Manual    | TF812                       | 8mm f1.2   | 32°                 |
|           | TF316                       | 3.7mm f1.6 | 72°                 |
|           | TF1214                      | 12mm f1.4  | 22°                 |
| Automatic | HS720JX(XE)<br>w/3-pin plug | 7mm f2.0   | 38°                 |



Various C-mount lenses can be used by using the supplied C-mount conversion adaptor LA-D8. A CS-mount lens cannot be used.

- **Note on lens selection**  
Observe the length (A) illustrated at left for the C-mount lens mounting. In case a lens having the lens mounting section in excess of the above length, the inside of the camera can be damaged.

### Specifications

Imager: 1/3 inch interline transfer CCD with microlens  
 Pixels: 768 x 494  
 Cell Size: 6.35 x 7.4  
 Resolution: 470 TV lines  
 Min. Illum: 4.0 lux at f1.2  
 S/N: 48 db  
 Gamma: 0.45 or 1.0 selectable  
 AGC: On / Off selectable  
 Shutter: 4 steps 1/60 - 1/4000  
 AES: Off / On 1/60 - 1/20,000  
 White Balance: ATW / Preset  
 Outputs: RS-170 1.0 V p-p & Y/C  
 Power: 12 volts DC  
 Size: (W x H x D) 22 x 22 x 86 mm  
 Weight: 80 grams  
 Lens: Special mount (NF) 17 mm metric screw