

Wide dynamic range cameras, Pixim technology

Board type



MS-90WD / 91WD series

1/3" true Wide Dynamic Range(120dB) color board camera introducing the advanced DPS (Digital Pixel System)* technology. This series of board cameras has solely been designed by MOSWELL so that the rugged construction, the minimum size and the ultimate software performance can be implemented, and the camera is manufactured on the base of genuine quality control in Japan.

FEATURES

- 120dB true Wide Dynamic Range by DPS technology
Every pixel is individually A/D-converted and processed.
- Series of cameras offer useful functions on every individual model.
 - * MS-90WD/PF & MS-90WD/CF for full functions
 - * MS-90WD/PL & MS-90WD/CL for exclusion of digital P/T/Z and YC output.
- Selectable type of color filter
 - * PF/PL models for primary RGB filter
 - * CF/CL models for complementary color filter
- OSD(On Screen Display) menu for camera adjustment
- CS-mount (bare PCB type as an option)
- Power requirement : +5VDC to +12VDC regulated

* DPS(Digital Pixel System) is the registered trademark of Pixim,Inc.



Typical image from CCD showing saturated highlight and unrecognizable dark.



Image from MS-90WD under 120dB wide dynamic range

GENERAL SPECIFICATIONS :

Image Sensor :	1/3" Pixim CMOS sensor
Output Signal :	NTSC(PAL) and digital ITU656
Effective Pixels (HxV) :	720 x 540
Horizontal resolution :	520 TVL
Scanning System :	2:1 Interlaced scanning
Synchronization Method :	Internal or line-lock
Horizontal Resolution :	MS-90WD/PF & /PL : 520TVL MS-90WD/CF & /CL : 480TVL
Gamma Compensation :	Adjustable
AGC/BLC :	Adjustable, ON/OFF
S/N :	50dB or more
Min. Scene Illumination :	MS-90WD/PF(PL) : 0.03 lx (F1.4,AGC) MS-90WD/CF(CL) : 0.02 lx(F1.4, AGC)
Lens Mount :	CS-mount (M12 thread as option)
Power Requirement :	+5V to +12VDC regulated
Power Consumption :	2.0 W approx. for 12VDC
Operating Temperature :	-10 to 50°C (14 to 122F)
Dimensions :	35mmx35mm (1.38" x 1.38" approx.)
Weight :	28g approx. (0.06 lbs approx.)

PROVISIONS & CONTROLS



MOSWELL reserves the right to change the specifications of this product without notice.

Box type

Available upon request.