



HD-SDI CAMERA

Item No. DV-HD4460

Features

■ Full HD Mega Pixel

High Definition is at least a million pixels per frame. So it can provide more clear and greater image. Besides resolution ability is over 1,100 TV Lines.

■ WDR(Wide Dynamic Range)

This is the ability to expand the dynamic range. This function uses alternative exposure time control method.

■ 3D Digital Noise Reduction

This feature removes noise in images (spatial, temporal domain)

Temporal noise is reduced by 3D filter using frame memory and spatial noise is reduced by 2D filter.

Especially, the ghost effect is reduced by motion adaptive filter.

■ D-WDR(Digital Wide Dynamic Range)

This function is a local adaptive contrast enhancement. It uses a histogram analysis and tone mapping method in pixel domain.

■ Motion Object Detection

This function detects the Motioned object in the image

- Detection Resolution: 8x8 pixels
- Detection Object Size: Variable
- Detection quantity: 16 ea

■ Lens Shading Compensation

This function compensates shading effect caused by Lens. It uses 2D shading table for compensation.

■ D-Zoom

The control resolution is 256 sub pixel units. Also, the center of zoom can be varied in the image.

■ Live Defect Detection & Correction

This function corrects the defect of image at run-time. It supports two modes. Those are "Manual" and "Auto" mode.

Specification

Item No.	DV-HD4460
Image Sensor	1/3" Panasonic CMOS(MN34041PL)
Total Pixel	2010(H) x 1108(V) = 2,227,080
Active Pixel	1944(H) x 1092(V) = 2,122,848
Scanning system	Progressive
Resolution	Digital: 1080(30P), 720(60P) Max: 1,100TV lines(1080P)
Min. Illumination	Color : 1.0 lux, BW : 0.5 lux, Color DSS : 0.002 lux, BW DSS : 0.0008 lux
Video Output	Digital : BT.1120, HD-SDI, Analog : NTSC/PAL CVBS(w/o WDR)
S/N Ratio	More than 50dB (AGC off)
Function	
Lens	DC/Manual
AGC	0 – 20 steps
Shutter Speed	AUTO/MANUAL(1/50(60) ~ 1/60,000 sec)
Digital Slow Shutter	Off/On(x4)
Brightness	0 - 20
WDR/BLC	Off/BLC/WDR
ACE	Off/On
Day&Night	Auto/Color/B&W
White Balance	Auto/Autoext/Pushing/Manual
DNR (Digital Noise Reduction)	Off/Low/Middle/High
Mirror	Off/On
Flip	Off/On
Sharpness	0 – 10 steps
Shading	Off/On
Digital Zoom	0 – 96 steps
Privacy Mask	32 Masks
Motion Detection	Off/On
Language	Korean/Chinese/English
Electrical	
Power (Max.) supply	DC12V, Less than 1.5Watts
General	
Power Input	Connector
Video Output	HD-SDI: SMA connector, CVBS: BNC connector