

ISD-2500HD

Ultra High Sensitivity

Color HD Camera



Main Features

- Newly developed Ultra-High Sensitive CMOS Sensor (0.00016 lux F1.2 50%)
- No cooling system required
- High Definition video with HD-SDI output.
- Very low noise due to the correlated multiple sampling
- Superior Color Reproducibility

Specification (Tentative)

Item	Specification
Image sensor	2/3" CMOS sensor
Effective pixels	1280 (H) x 720 (V)
Pixel size	7.1μm x 7.1μm
Synchronization	Internal and external
Video output	HD: HD-SDI 1080 (59.94i/50i/30p/29.97p/25p, 720 (60p/59.94p/50p/30p/29.97p/25p) SD: VBS NTSC/PAL
External control	RS-485
Horizontal resolution	650 TV lines or more
Sensitivity	F22 at 2000 lux
Minimum illumination	in color mode : 0.00016 lux at F1.2 50% Theoretical value / in monochrome mode : 0.00004 lux at F1.2 50% Theoretical value
Auto Iris	DC iris
AGC (Auto Gain Control)	ON (AGC/Hyper-AGC) / OFF (LOW/MIDDLE/HIGH)
Electrical shutter	OFF, 1/100, 1/125, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/10000, Variable
Automatic electrical shutter	Fast, Slow, Response
Slow shutter	X1, x2, x4, x6, x8, x12, x16, x24, x32, x64, OFF/AUTO(S/N, STD, MOVE)/MANUAL
Backlight compensation	Selectable 9x5 areas
White balance	ATW1, ATW2, AWC, Manual
WDR (Wide Dynamic Range)	OFF/WDR / AUTO KNEE / AUTO BKACK STRETCH
De-fog	OFF/ON
Gamma correction	0.45 / 0.75 / 1
Noise Reduction	Available
Electrical Zoom	x1, x2, x3, x4, x5, x6, x7, x8, x9, x10
Privacy mask	Available, maximum 8 areas(GRAY/WHITE/BLACK)
Focus EZ	Available
Camera ID	Available, maximum 24 characters
Image flip	Normal / Flip / Mirror / Flip&Mirror
Lens mount	CS mount
Lens flange back	Available with adjustment mechanism
Power requirement	DC12V / AC24V
Power consumption	6W
Operating temperature	-10 to 50 degrees C
Operating humidity	30 to 90% (non-condensing)
Dimension	78 (W) x 58 (H) x140 (D) mm (without projections)
Weight	Approximately 650g or less

Design and specifications are subject to change without notice.

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