

Ikegami

Super High Sensitivity 3CMOS HDTV Camera

HDL-4500

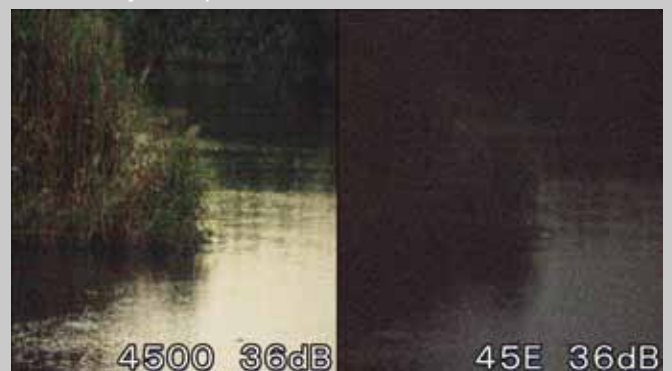


The HDL-4500 is a 3CMOS (2/3-inch 1.3M pixels, High-speed Multi-Sampling type) multi-purpose HDTV camera achieving super high sensitivity (Minimum illumination: 0.001 lux or less, 60 frame). With its compact one-piece form factor, this camera is suitable for various applications such as a weather camera, POV camera, and etc.



- Under star bright condition (0.001 lx/F1.4), it can produce color video (60fps).
- S/N: 56dB
- Digital Extender (x1.5,2,3,4,6,8,10)
- AVC (Auto Video Level Control) Function
- ATW (Auto Tracking White balance) Function
- Output Video Format: 1080/59.94i, 1080/50i (HD-SDI)
- 2/3-inch Byonet mount, RS-232 serial data interface

Sensitivity Comparison



HDL-4500 +36dB

HDL-45E +36dB

Super High Sensitivity 3CMOS HDTV Camera HDL-4500

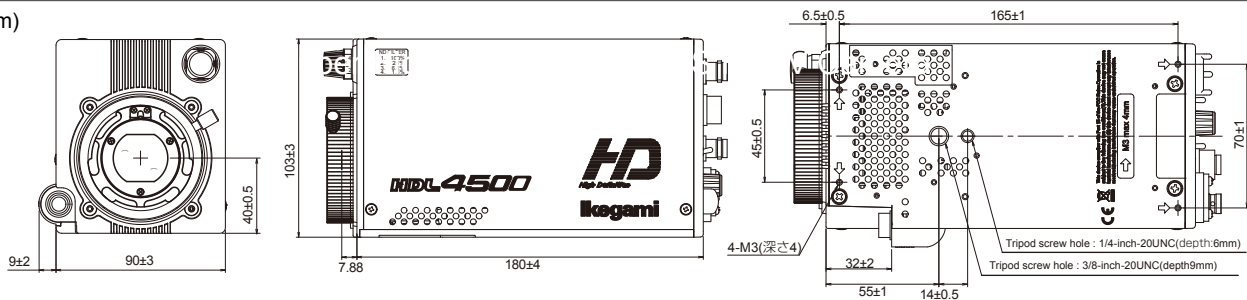
Scanning System	1080/59.94i, 1080/50i			
Image Sensor	2/3-inch 1.3 million pixel 3CMOS			
Effective Pixels	1280 (H) x 720 (V)			
Sensitivity	F22 or more at 2,000lx			
Minimum Illumination	0.001 lx (value in theory) F1.4, +78dB gain up, 100% video level)			
Optical System	2/3-inch R,G,B 3MOS F1.4			
Lens Mount	BTS S-1005B			
Optical Filter (with Filter Servo)	1	2	3	4
	ND 100%	25%	6.2%	1.6%
	Built in Filter Servo			
Electric Color Compensation	3200K/5600K selectable			
Power Requirement	DC +11V - +16V			
Operating Temperature	-10 °C - +45 °C (14 °F -113 °F)			
Storage Temperature	-20 °C - +60 °C (-4 °F -140 °F)			
Operating Humidity	30% - 90% (Non-condensing)			
Power Consumption	20W approx.			

S/N Ratio	56 dB or more
Modulation Depth	60% or more, at 520TVL, 18MHz(1080i)
Limiting Resolution	1000 TVL
Gain	-6/0/6/12/18/24/30/36/42/48/ 54/60/66/72/78dB
Gamma	OFF, 0.35, 0.40, 0.45
Electric Shutter	1/100, 1/120, 1/250, 1/500, 1/1000, 1/2000
Digital Extender	1.5X, 2X, 3X, 4X, 6X, 8X, 10X
Output Signals (Digital)	HD-SDI x 2ch(SMPTE292M) (75Ω BNC Connector) (UP CN BO type: 1 ch)
Output Signals (Analog)	G,B,R/Y,Pb, Pr selectable 1ch (Multi-pin Connector)
External Sync Input	HDTV: PS 1Vp-p, SYNC 0.6Vp-p SDTV: VBS 1Vp-p, BBS 0.3Vp-p
Dimensions	W90 x H103 x D180mm approx. W35.4 x H40.6 x D70.9 inch
Weight	1.7kg/3.75lbs. approx.

Rear Panel



Unit(mm)



Design and specifications are subject to change without notice.

U285A1311-SELF

Ikegami IKEGAMI ELECTRONICS (U.S.A.), INC. ■ URL <http://www.ikegami.com>

HEADQUARTERS 37 BROOK AVENUE, MAYWOOD, NJ 07607
Phone:(201) 368-9171 Fax:(201) 569-1626

WESTCOAST OFFICE Phone:(310) 297-1900
MIDWEST OFFICE Phone:(708) 460-1451

SOUTHWEST OFFICE Phone:(972) 869-2363
SOUTHEAST OFFICE Phone:(954) 735-2203