

MKC-300HD

3CMOS Full HDTV Medical Grade Camera



The MKC-300HD employs 3x 2.1Mega pixel Full HDTV 1/3-inch CMOS sensors to provide 1000 lines of high definition video images, coupled with High Sensitivity performance of F10/2000 lux providing the optimal video quality required for high-end medical video system. Optimised signal processing circuitry achieves a high Signal-to-Noise Ratio of 54dB. Video signal processing is done in the same signal process ASIC as Ikegami's HDTV broadcast cameras to constantly achieve the same high level of quality and reliability.

Scanning System	1920 x 1080 50/59.94 Progressive	
Image sensor	1/3-inch CMOS	
Lens Mount	C-mount	
Camera output	2:1 interlace 1080 lines 50/59.94 fields or Progressive 720 lines 50/59.94 frames	
Horizontal Resolution	Horizontal: 1000 TVL	
Sensitivity	F10/2000lx / 3200°K or better	
S/N	54dB (Gamma/Detail off, Y signal)	
GAIN	Up to 18dB	
Output signal	HDTV	HD-SDI BNC 2ch
		Analogue Y, Pb, Pr/RGB D-Sub 1ch
		DVI (1920 x 1080i/p) 1ch
	SDTV	Composite (VBS) BNC 1ch
		S-VIDEO S-Terminal 1ch
		RGB/Y, Cb, Cr D-Sub 1ch
USB Interface	USB 2.0 2 lines (Front/Rear) for Still picture capture	
Camera cable	5 m Cable + 10 m Extension cable (Standard use)	
DC Iris Control	Available (from Camera head)	
Operating Temperature	0°C to +40°C	
Power Requirement	AC100V-240V ±10%	
Weight	Camera Head : 100 g or less CCU : 2500 g or less	
Dimensions	Camera Head : W34 x H40 x D40 mm CCU : W210 x H80 x D300 mm	