

HDC-500

High Definition Color Camera

- Highest quality 2 million pixel FIT CCD pickup device camera with the Hyper "HAD" (Hold Accumulated Diode) sensor: High sensitivity (f8.0 at 2000 lux); High horizontal luminance resolution of 1000 TV lines; Excellent signal-to-noise ratio of 54 dB; Vertical smear level of practical imperceptibility; Minimum lag and high resistance to image burn-in; Impervious to vibration and shock; Minimum effects from electric/magnetic field; Free from registration adjustment; Super EVS (Enhanced Vertical Definition System) for enhanced vertical resolution
- Electronic shutter: Selectable speed $\frac{1}{100}$, $\frac{1}{125}$, $\frac{1}{250}$, $\frac{1}{500}$, $\frac{1}{600}$, $\frac{1}{1000}$, $\frac{1}{2000}$; Continuously variable speeds $\frac{1}{60}$ to $\frac{1}{550}$
- Lower optical axis of 75.5 mm
- Color balance adjustment at 5600K without a filter
- Auto setup function (black/white balance, gamma, etc.)
- System versatility with the peripheral equipment
- Remote operation up to 25m away from a camera adaptor



Specifications

Signal Standard:	SMPTE 240M, BTA-S001
Sensitivity:	f8.0 at 2000 lux, 3200K, reflection 89.9% white
Minimum Illumination:	6 lux (f1.2 lens, +18dB gain) (approx)
S/N:	54dB (Y: 30MHz)
Horizontal Resolution:	1000 TVL/ph
Horizontal Frequency:	33.75kHz 1125 lines/frame
Vertical Frequency:	60Hz, 2:1 interlace
Warm Up Time:	2 sec
Storage Temperature:	-20°C to 60°C (-4°F to 140°F)
Operating Temperature:	0°C to 40°C (32°F to 104°F)

Camera Head

Pickup Device System:	3-chip 1" Frame Interline Transfer CCD
Picture Elements:	1920(H) x 1036(V)
Optical System:	f1.2 high index quartz filter
Built-in Filters:	
Color filters	CROSS, 3200K, 4300K, 6300K
ND filters	CLEAR, $\frac{1}{4}$, $\frac{1}{8}$, $\frac{1}{6}$
Registration:	Within 0.025% (All zones, without lens)
Geometric Distortion:	Below measurable level (without lens)
Lag:	Below measurable level
Gain Control:	Selectable: 0dB, +6dB, +12dB, +18dB
Special Functions:	
ELECTRONIC SHUTTER:	Selectable speed $\frac{1}{100}$, $\frac{1}{125}$, $\frac{1}{250}$, $\frac{1}{500}$, $\frac{1}{600}$, $\frac{1}{1000}$, $\frac{1}{2000}$ Continuously Variable speeds $\frac{1}{60}$ to $\frac{1}{550}$
Super EVS (Enhanced Vertical definition System):	Selectable mixing ratio of interlaced line 0.125, 0.25, 0.375, 0.5, 0.625, 0.75, 0.875
Connectors:	Lens (12-pin), Lens power (4-pin) View finder (12-pin)
Power Requirements:	DC-10.5V-17V

Camera Head (CONT)

Power Consumption:	30W
Operating Temperature:	-20°C to 40°C (-4°F to 104°F)
Dimensions (WHD):	177 x 178 x 164mm (7" x 7 $\frac{1}{8}$ " x 6 $\frac{1}{2}$ ")
Weight:	10 lbs 10 oz (4.6kg)

Supplied Accessories

Tripod Attachment
Carrying Case
Extension Board
Operation Guide
Maintenance Manual

Optional Accessories

HDVF-150	1.5" Viewfinder
HDVF-30	3" Viewfinder
HDVF-500	5" Viewfinder
HDVF-75	7" Viewfinder
HDM-90	9" Monochrome Monitor
HDCC-2/5/50/100	Multicore Cable