

# 3 CCD Color Camera HV-C20



## 1/2 Inch 3 CCD HV-C20

- 700 TV Lines of resolution
- Auto Tracking White Balance
- Auto Electronic Shutter
- Auto Shading Compensation
- Back Light Compensation
- Auto Knee
- Contrast Correction
- Lock Scan Mode
- Field or Frame Integration
- Long Term Integration
- Composite, Y/C and RGB outputs
- Genlock
- RS-232C Remote Control of all Functions

Superb image quality is achieved in a compact 3 CCD camera using C-Mount optics, by a breakthrough in prism design. Designed for video conference, distance learning, microscopy, and machine vision markets, the **HV-C20** has a wide array of features. A full auto mode can be selected that will allow the camera to operate over a wide range of illumination and color temperatures. Auto shading compensates for shading characteristics of C-Mount lenses. Auto knee, BLC, AES, detail, and contrast are available through the extensive menu system. A RS-232 interface allows access to all menu functions from a PC. For machine vision, the **HV-C20** has external trigger inputs and a field on demand mode. For electroluminescence microscopy, the camera features long term integration up to 8 seconds. Also available, the **HV-C20M**, which provides a high quality optical path for precision imaging or the **HV-C20S3** with a cosite sample CCD block.

## Specifications

Imager: 3 1/2 inch IT Microlens CCD's  
Pixels: 768 x 494 (3)  
Cell Size: 8.4 x 9.8  
Resolution: 700 TV lines  
Min. Illum: 5.5 lux at f1.8  
S/N: 60 db  
AGC: Off / On selectable limit  
Shutter: 1/60 - 1/10000 or AES  
Lock Scan: 1/60.38 - 1/10168 in 1H steps  
Gamma: 0.45 or 1.0 selectable  
White Bal: ATW / Manual / Preset  
Auto Shading: On / Off  
Auto Knee: On / Off  
BLC: Off / On selectable area  
Contrast: On / Off  
Integration: Field / Frame  
Long term Integration: 1/30 to 8 sec  
External Trigger: 4 modes  
Outputs: VBS, RGB, Y/C HD/ VD  
Sync: Internal / external / genlock  
Power: 12 volts DC  
Size: (W x H x D) 65 x 65 x 130 mm  
Weight: 600 grams

