



Advanced Technology Video, Inc.



Advanced Auto Detection Day/Night, High Resolution Camera

- High-performance 1/3" SONY DSP color Exview HAD CCD technology
- Day & Night manual and auto switching control
- High resolution color and black and white
- Low light performance sensitivity of .5 lux at F1.2
- Auto electronic shutter [1/60 (1/50) ~ 1/100,000] and manual electronic shutter modes
- Auto and manual white balance modes
- Flicker less, BLC, D/N Conversion (Color/BW), AGC, D&N (Auto/Manual), Sync Adjustments
- Operates in 24Vac / 12Vdc

DSP Camera

C30DCN SPECIFICATIONS

POWER

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|-------------------|--|
| Power Source | AC 24Vac +/-10%, 50/60Hz +/-1Hz DC 12Vdc +/-10% |
| Power Consumption | 3.5 Watts |

GENERAL

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|-----------------------|--|
| Image Sensor | 1/3" interline transfer CCD [SONY DSP] |
| Picture Element (HxV) | NTSC (HICN865H1, HICN869H1) : 811 x 508, PAL (HICN885H1, HICN889H1) : 795 x 596 |
| Scanning System | 2:1 interlace |
| Scanning Frequency | NTSC : 15.75KHz(H), 60Hz(V), PAL : 15.625KHz(H), 50Hz(V) |
| Operating Temperature | -10° C ~ 50° C (14° F~122° F) |
| Sync. System | Line lock / Internal |
| Electronic Shutter | NTSC : 1/60 ~1/100,000 sec., PAL : 1/50 ~1/100,000 sec. |

VIDEO

| | |
|-------------------|---|
| Signal Format | NTSC: 525 lines, PAL : 625 lines |
| Resolution | NTSC: 480 TV lines(color), 530 TV lines(b&w), PAL: 470 TV lines(color), 510 TV lines(b&w), Color: 0.5 Lux (F1.2 Lens, 50IRE), B&W: 0.04 Lux (F1.2 Lens, 50IRE) |
| Min. Illumination | Color: 0.5 Lux (F1.2 Lens, 50IRE), B&W: 0.04 Lux (F1.2 Lens, 50IRE) |
| Video Output | 1.0 Vp-p (75 ohm) |
| White Balance | ATW [2800~8000K] |
| S/N Ratio | 50dB (AGC off) |

FUNCTIONS

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|--------------------|--|
| Auto/Man. Shutter | Auto (on). Manual (off) (dip switch) Manual shutter (8 mode NTSC : 1/60 - 1/10000, PAL : 1/50 - 1/10000) |
| Flickerless (F.F) | ON / OFF (Dip switch) |
| BLC | ON / OFF (Dip switch) |
| Electronic Iris | ON / OFF (Dip switch) |
| Auto Iris Lens | DC / VIDEO (Dip switch) |
| D/N Conversion | Color / BW (Dip switch) |
| AGC | ON / OFF (Dip switch) |
| D/N Mode Selection | Auto / Manual (Dip switch) White balance Low(ATW), Hi(AWB) (Dip switch) |
| Sync. | Internal / Line lock (Dip switch) |
| D/N Control | Adjustable (POT) |
| DC Iris Level | Adjustable (POT) |
| Phase Level | Adjustable (POT) |

MECHANICAL

| | |
|--------------------|--|
| Video Output | BNC |
| Power Input | 3-pin terminal block (push type connector) |
| Auto Iris Output | 4-pin mini din jack |
| Lens Mount | C/CS (Selected through back focus) |
| Mounting Hole | 1/4 " UNC top and bottom |
| Dimensions (WxHxD) | 2.4" x 2.1" x 5.0" (62mm x 54mm x 127mm) |
| Weight | .715lb (325kg) |

Specifications subject to change without notice.

DIMENSIONS



Advanced Technology Video, Inc.
10940 NE 33rd Place, Suite 101, Bellevue, WA 98004
888/228-7644 Fax 425/284-2952
www.atvideo.com