

**HIGH
DEFINITION**

AVS820-HD

Zoom, Auto-B/W, TAIL Camera

SPECIFICATIONS

JUNE/1/2011

Image Sensor	1/3 inch, CMOS
Effective Number of Pixels	2 Megapixel
Horizontal Resolution	> 800TV Lines Standard
Vertical Resolution	> 800TV Lines Standard
Aspect Ratio	HD 16:9 SD 4:3/16:9
Lens	2.5x Optical Zoom, f=5.1 mm (wide) to 51.0 mm (tele), F1.8 to F2.1
Horizontal Angle of View	86° (wide) to 35° (tele)
Vertical Angle of View	50°
Minimum Object Distance	10 mm (wide) to 800 mm (tele)
Scanning System	2:1 interface
Scan Frequency	[59.94 Hz setting] Horizontal : 33.716 kHz, Vertical : 59.94 Hz [60 Hz setting] Horizontal : 33.75 kHz, Vertical : 60 Hz
Sync System	Internal
Sensitivity	F6.8 Standard (200 lx, 3000K)
Minimum Illumination	12 lx (F1.8, 50 IRE)
AUTO-B&W	1.0 lx Black & White (F1.8, 50 IRE)
SN Ratio	56 dB Standard (gain 0 dB, DNR OFF)
White Balance	ATW (Automatic Tracing balance), AWB (Automatic White Balance)
Gain	AUTO (Automatic Gain Control)
Backlight compensation	On/Off
Signal System	HD 1080/59.94i, 1080/50i, 720/59.94p, 720/50p, Y/P _B /P _R SD NTSC (Crop/Squeeze), PAL (Crop/Squeeze)
Video Output	Digital output: HD-SDI (SMPTE 292M) : 0.8 V (p-p) standard 75 Ω unbalanced, BNC or Analog output: NTSC or S-VHS
Interface	Discretes or Serial Data Interface (RS-232C control)
CH Dimension	3"H x 5"W x 7"R
CH Weight	< 32 oz
CCU Dimension	None
CCU Weight	0
Camera Cable Lengths	None
Power Requirement	Regulated 28 VDC / .550 amp
DO160F	Appropriately Tested, EMI & Environmental