

# DigiCam Surveillance

## LP8050 1/3" Color License Plate Recognition Professional 480 TV Lines Camera

This camera provides license-plate recognition and contains a 1/3" Super HAD CCD sensor. With its advanced resources, it is capable of independent gain control between day and night and is built with a smart processor chipset. Its rear panel DSP switches and easy setup make it very user friendly. This camera is AC/DC and supports C, CS, or video iris lenses.

### FEATURES

- Built with 1/3" Super HAD CCD.
- High sensitivity 0.01 Lux, Resolution 480 TVL.
- Super dynamic range processing between light & dark area, suitable under IR illumination.
- Strong image sensor to prevent light over flow.
- Auto gain under dark area to prevent noise.
- Built with smart processor chipset capable of Independent gain control between Day & Night.
- Multi-level shutter & White balance setting.
- Flickerless, Back light compensation setting.
- Multi-task of synchronization, detection windows, picture enhancement, gamma value processing.
- Rear panel DSP switches for easy setup.
- Compatible to C or CS, DC or Video iris Lens.
- **LENS SOLD SEPARATELY**



### SPECIFICATIONS

Image sensor	Color 1/3" Super HAD CCD
Scanning system	2:1 Interlace scanning
Scanning frequency	NTSC: Hor15,734Hz x Ver59.94Hz,60Hz Line lock
Picture elements	NTSC: 811(H) x 508(V), 525 lines 60Hz
Resolution	480 TV Lines
Sensitivity (AGC on)	0.01 Lux at F1.2, 0 Lux under IR illumination
S/N Ratio	>60dB (AGC off, AESC off, Y sig.)
Auto Electronic shutter	1/50(60) ~ 1/100,000 second
Manual elect. shutter	8 speed selection : 1/60 to 1/10000 second
Flicker less	START: 1/100 sec., OFF: low 1/50(60) sec.
Back Light Compensation	256 detection area + enhanced center compensation
Auto Gain Control (AGC)	Up to 65 dB = ALC + Sample 32dB + DSP 28dB
Manual Gain Control	8 gain selection 0/6/10/12/18/22/26/28 dB
White Balance adaptation	Auto White Balance: 2400°K~12000°K
Range	Auto Tracking White Balance: 2500°K~ 9500°K
Picture aperture	Hor. 2H, Ver. 2V Enhancement
Synchronization	Internal.

<b>Optional synchronization</b>	Linelock, Genlock, HD/VD
<b>Video Output</b>	1.0 Vp-p, 75ohm BNC
<b>Gamma</b>	Adjustable 0.45 or 1.0
<b>Visible spectrum</b>	240nm ~ 1,200nm
<b>D.S.P. memory format</b>	16 Bit 256 word
<b>D.S.P. converter ratio</b>	8 Bit (A/D), 10Bit (D/A)
<b>D.S.P. storage device</b>	EEPROM
<b>Lens mounting</b>	C or CS mounting,
<b>Power voltage</b>	DC 12~30V or AC 24V or AC 85V~AC 265V
<b>Power consumption</b>	3W, < 200mA
<b>Dimension &amp; weight</b>	62(W) x 52(W) x 60(L) mm, 280 g.
<b>Ambient Temperature</b>	Operating: -15°C ~ +60°C
<b>Ambient Humidity</b>	0 to 95% relative, non-condensing.

