

# V1160 Series

## Day/Night Color to B/W Switching Camera



### Security Systems



- Mechanical IR Cut filter switching from day to night mode
- 1/3-inch format CCD imager
- On-screen menu programming
- Video, DC, or ESC iris modes
- Automatic backlight compensation with selectable area and sensitivity
- Automatic gain control selectable
- Wide dynamic functions selectable
- Programmable video motion detector with 5 V pulse output on the camera
- Flexible mounting options

The V1160 is a day/night camera that switches automatically between color and black & white mode whenever the environmental lighting conditions ask for it. This switching is performed through a mechanical, removable IR Cut filter. The camera is controllable via an on-screen display menu using the navigation keys on the back of the camera. Due to its outstanding performance in any lighting condition and its high resolution (520 lines in B/W and 480 lines in color) the camera can be used in any security application one can imagine. Its powerful backlight compensation, and electronic iris ensure the clearest possible images under a wide variety of conditions.

The OSD menu programming options:

- Camera IDentification
- BLC: OFF / ON (weight: 1 to 4)
- VMD: user adjustable area & sensitivity
- Lens: Manual / DC / Video (with brightness control)
- Shutter: ESC (brightness control) / Manual (11 speeds selectable and flickerless mode)
- Gain: AGC with brightness & limit control or OFF
- White balance: ATW/AWC/Manual (red & blue)
- Color mode: On / Off / Auto1 / Auto2
- Sync.: internal
- Reset

<b>Model No.</b>	V1160P	PAL System
	V1160N	NTSC System
<b>Power</b>	Input Voltage	12 VDC or 24 VAC ( $\pm 10\%$ )
	Consumption	3.5 W (DC), 3.8 W (AC)
<b>Video</b>	Pick-up Device	PAL Model: 1/3-inch CCD imager; 795 (H) x 596 (V) NTSC Model: 1/3-inch CCD imager; 768 (H) x 496 (V)
	Scanning System	2:1 Interlace (Standard)
	SYNC System	INT/Line lock
	Output	1 Vp-p Composite
	Minimum Illumination	0.01 lux (B/W mode), 0.5 lux (color mode), both at F1.2
	Color mode	Auto1 / Auto2 / On / Off mode selectable
	OSD	Camera ID, adjust menu, motion detection ...
	AGC	Built-in and adjustable
	Backlight Compensation	Off / On (selectable weight 1 to 4)
<b>Lens &amp; Iris</b>	Iris Mode	Video/DC/ESC selectable
	Iris Speed	1/50 - 1/10, 000 sec selectable 11 speeds and flickerless mode
	Lens Mount	Type C/CS-mount with adapter included
<b>RS-232C</b>		Available
<b>S/N Ratio</b>		> 48 dB (AGC Off)
<b>Horizontal Resolution</b>		520 lines in B/W mode, 480 lines in color mode
<b>Housing</b>	Weight	0.40 kg (0.9 lb)
	Dimensions (w/o lens) [H x W x D]	50mm x 57mm x 130mm (2.24 in x 2.17 in x 5.31 in)
<b>Environment</b>	Operating Temperature	-25.6°C to +50°C (-14°F to +122°F)

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