



## V1184P B&W & V1185P Color Series Ball Cameras

- **Choice of black-&-white or color camera**
- **Choice of flush or surface mount styles**
- **Choice of black or silver finish**
- **Electronic iris (1/50 sec. to 1/100 000 sec.)**
- **Automatic gain control**
- **Internal synchronization**
- **Vandal resistant and perfect in design**
- **Easy to install and very small**

The V1184P Series and V1185P Series Ball Cameras provide choices between color or black-&-white, flush or surface mounted, and black or silver finish. They are small, lightweight, easy to install, and vandal resistant making them an ideal choice in any application where the camera needs to be accessible but not vulnerable nor obtrusive.

The color cameras (V1185P Series) feature a 1/4-inch DSP color CCD providing 380 TV lines of horizontal resolution with a signal-to-noise ratio greater than 48 dB at light levels as low as 0.5 Lux at  $f2.0$ . They have automatic gain control and white balance with internal synchronization for clear images throughout a wide range of conditions.

The V1184P Series of black-&-white (1/3-inch CCD) cameras output 420 TV lines of horizontal resolution with a signal-to-noise ratio greater than 50 dB at light levels as low as 0.05 Lux at  $f2.0$ . Their automatic gain control and internal synchronization help to provide clear images in a variety of conditions.

The cameras provide a manual adjustment of the angle of view over 140°.

## Typical Application



The video signal from the (1) ball camera(s) can be sent directly to any of the following video interface devices:

- (2) Video Switcher(s),
- (3a) Matrix Switcher(s) with or without (3b) Matrix Controller(s),
- (4) Quad Splitter(s), and/or
- (5) Multiplexer(s).

or the video signal can be sent to a:

- (6) monitor for viewing
- (7) V8200 Series Digital Storage & Transmission System that will automatically capture, store, and transmit the images per its programming
- (8) VCR for recording and later playback.

The number and types of input and output devices and controllers is dependent upon the overall system configuration.

## Technical Specifications

## V1184P Series & V1185P Series

		V1184P	V1185P
<b>Power</b>	Input Voltage	12 VDC (9 – 15 VDC) reverse polarity protected	12 VDC (9 – 15 VDC)
	Input Current	100 mA regulated supply	90 mA regulated supply
<b>Video</b>	Pick-up Device	1/3-inch B&W CCD; Super Grade 291.000 pixels	1/4-inch DSP color CCD; PAL standard 320.000 pixels
	Scanning System	2:1 Interlace (CCIR Standard)	2:1 Interlace (PAL Standard)
	SYNC System	Internal	Internal
	Output	1 Vp-p into 75 Ω; CCIR Composite	1 Vp-p into 75 Ω; PAL Composite
	Minimum Illumination	0.05 Lux at $f2.0$	0.5 Lux at $f2.0$
	Gamma	0.45	0.45
	AGC	Automatic	Automatic 4 dB to 30 dB
	White Balance	Not applicable	Automatic; 2800°K to 8200°K
<b>Lens</b>		3.7 mm pinhole lens – 90° diagonal view	3.7 mm pinhole lens – 70° diagonal view
<b>Iris</b>	Iris Shutter Speed	1/50 sec. to 1/100 000 sec. automatic	1/50 sec. to 1/100 000 sec.
<b>S/N Ratio</b>		≥50 dB	≥48 dB
<b>Resolution (H)</b>		≥420 TV Lines	380 TV Lines
<b>Housing</b>	Weight (approx.)		
	flush mount	180 g	180 g
	surface mount	120 g	120 g
	Dimensions (H x Diameter)		
	flush mount	43 x 69 mm	43 x 69 mm
	surface mount	49 x 43 mm	49 x 43 mm
<b>Environment</b>	Ambient Temperature	-10°C to +50°C	-10°C to +50°C

## Ordering Options

	Surface Mount	Flush Mount
<b>Black &amp; White</b>	Black finish = V1184PBS	Black finish = V1184PBF
	Silver finish = V1184PAS	Silver finish = V1184PAF
<b>Color</b>	Black finish = V1185PBS	Black finish = V1185PBF
	Silver finish = V1185PAS	Silver finish = V1185PAF

## Accessories



**V5031P**  
12VDC/1 Amp  
Power Supply



**V5032P**  
12VDC/3 Amp  
Power Supply