

**CCD-400**

### ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The low light, high performance camera(s) shall be Alpha Communications® model CCD-400 or approved equivalent. Camera(s) shall feature a 1/3" CCD image sensor, and shall require only .03 lux. Camera(s) shall use standard 16 mm "C" or "CS" mount lenses and provide more than 400 lines of resolution. Camera shall operate on a temperature range of -10° F to 140° F (-20° C to 60° C), and is designed for indoor use (unless installed in a proper outdoor housing). Camera(s) shall feature an electronic shutter operating at 1/60 - 1/15,000 second, with automatic adjustment. Camera can be mounted from top or bottom, and shall operate on 10VDC - 14VDC power.

Contractor shall observe all local and national electrical codes.

**Check with applicable authorities regarding local and federal laws as they apply to party consent and video and/or audio recording.**

### CCD-400 1/3" Low Light High Performance CCD Camera

#### FEATURES

- Lightweight, miniature design
- High sensitivity - needs only .03 lux
- High resolution - more than 400 lines
- Can be mounted from the top or bottom
- Back focus adjustable from rear of camera
- Utilizes variable high speed electronic shutter
- Uses all standard manual or auto-iris "C" or "CS" mount lenses
- Features a high sensitivity condenser microphone & preamplifier

#### ELECTRICAL SPECIFICATIONS

<b><u>Image Sensor:</u></b>	1/3" CCD [512h x 412v]
<b><u>Electronic Shutter:</u></b>	1/60 to 1/15,000 second, automatic adjustment
<b><u>Resolution:</u></b>	More than 400 lines
<b><u>Sensitivity:</u></b>	.003 footcandle (.03 lux) faceplate
<b><u>Signal/Noise Video:</u></b>	Minimum 48 dB
<b><u>Signal/Noise Audio:</u></b>	Minimum 35 dB
<b><u>Gray Scale:</u></b>	Minimum 10 shades
<b><u>Scanning System:</u></b>	525 line 60 frame [EIA]; optional 625 line 50 frame [CCIR]
<b><u>Video Output:</u></b>	1.0 V peak to peak
<b><u>Geometric Distortion:</u></b>	None
<b><u>Audio Output:</u></b>	1.0 V peak to peak / 600 Ohm
<b><u>Microphone:</u></b>	-60 dB
<b><u>Microphone Type:</u></b>	Omnidirectional condenser
<b><u>Audio Frequency Range:</u></b>	20 Hz to 20 KHz
<b><u>Supply Voltage:</u></b>	10-14VDC/120VAC/220VAC
<b><u>Power Consumption:</u></b>	170ma

#### MECHANICAL SPECIFICATIONS

<b><u>Dimensions:</u></b>	2.0" H x 2.0" W x 5.25" L (51 mm x 51 mm x 133 mm)
<b><u>Weight:</u></b>	9.25 oz. (260g)
<b><u>Mount:</u></b>	1/4 - 20 top and bottom
<b><u>Lens Mount:</u></b>	Standard 16mm "C" or "CS" mount

#### ENVIRONMENTAL

<b><u>Temperature:</u></b>	-10°F to 140°F (-20°C to 60°C)
<b><u>Humidity:</u></b>	0 to 95% relative

*Due to continuous product improvement, all colors, sizes, materials, finishes and specifications are subject to change without notice.*