



**1/3" DSP Color Box Camera**

**High resolution, 420 TVL, 12VDC  
Color Camera**

**Model: BC420**



**Description:**

This high quality Color Box Camera is designed for PAL/NTSC systems. Aleph uses Sony's latest Super HAD CCD technology. The camera has a wide operation temperature range and is not subject to distortion from magnetic fields. With its lightweight and compact size, this camera can be used for monitoring and surveillance.

**Switch Settings:**

**Level adjustment**

LEVEL – Manual light level adjustment brightens or dims picture  
Counter clockwise Dims, Clockwise Brightens

**Electronic Shutter**

ALC – Use ALC when using motorized-zoom lens.  
ELC – Use when using auto iris or fixed iris lens.

**Back Light Compensation**

When camera is pointing towards windows / doorways setting should be set on off. Indoor installation should be set on BLC.

**Auto Gain Control**

Off = Set to off in total darkness.  
AGC = Set to AGC in low / standard lighting.

**Horizontal Mirror**

Off = Standard viewing.  
MIRR = Reverses the direction image horizontally.

**White Balance**

FPU = Set to ATW to turn on low light sensing.  
OFF = Disable white balance function.

**Specifications:**

Model	BC420	
Pick up Device	1/3" Super HAD CCD	
TV System	NTSC	
Picture Elements	500Hx582V	510Hx492V
Horizontal Resolution	420 TVL	
Sensitivity	0.5Lux at F1.2	
Scanning System	420 TVL 2:1 Interlace	
Synchronization	Internal	
S/N Ratio	More than 50 dB, (AGC Off)	
Auto Gain Control	Auto	
DNR function	Digital noise reduction	
White Balance	Auto	
Electronic Shutter	Up to 1/100,000 sec. (Linear)	
Back-Light Compensation	Auto	
Video Output	1 Vpp, BNC x1	
Power Supply	DC 12V	
Power Consumption 12vdc	110mA	
Weight	250g (4.5oz.)	
Operating Temperature	-10°C to +50°C / 14°F to 122°F	

\*Specifications are subject to change without prior notice.

• Input voltage exceeding the nominal rating by over +/-10% will cause abnormal operation.

