



# ZC-Y30NH4

HI-RES COLOR CAMERA W/WIDE DYNAMIC RANGE & FRAME INTEGRATION



**WIDE  
DYNAMIC RANGE**  
Ideal for the toughest  
backlighting problems



## F E A T U R E S

- Wide Dynamic Range (WDR) minimizes common backlighting problems and provides balanced exposure of both bright and dark areas within the same scene
- High sensitivity of up to 0.016 lux at f0.8, using 32x electronic sensitivity enhancement (frame integration)
- 480 lines (horizontal) resolution
- 9 selectable shutter speeds (1/60 - 1/10,000 sec)
- 8 character camera ID titling with on-screen programming
- Manual and Auto white balance
- 12VDC / 24VAC Auto-sensing dual voltage



Rear panel



Side control panel

CAMERAS

# ZC-Y30NH4 Camera

Hi-Res Wide Dynamic Range Color Camera



Front view



Side control panel view



Rear view

## SPECIFICATIONS

<b>MODEL</b>	<b>ZC-Y30NH4</b>
<b>TYPE</b>	Color
<b>RESOLUTION (HORIZONTAL)</b>	480 lines (horizontal)
<b>TV SYSTEM</b>	NTSC
<b>SCANNING SYSTEM</b>	2:1 Interlace
<b>SYNCHRONIZING SYSTEM</b>	Internal Linelock (phase adjustable)
<b>IMAGE SENSOR</b>	1/3" IT-CCD
<b>EFFECTIVE ELEMENTS (H) X (V)</b>	768 (H) x 494 (V) pixels
<b>SCANNING FREQUENCY</b>	Horizontal: 15.734KHz   Vertical: 59.94Hz
<b>INPUT &amp; OUTPUT</b>	Video output - BNC   Power input: screw less 2 pins terminal   Auto-iris output: 4 pin connector
<b>VIDEO OUTPUTS</b>	1.0V p-p / 75 Ohms
<b>S/N RATIO</b>	More than 48dB (AGC off)
<b>MINIMUM ILLUMINATION</b>	Frame Integration Off: 1.0 lux (f1.2, 50 IRE)   32x Frame Integration On: 0.016 lux (f0.8, 50 IRE)
<b>DYNAMIC RANGE</b>	60dB or more
<b>GAMMA CHARACTERISTIC</b>	0.45
<b>AES (SHUTTER SPEED)</b>	AES On: 1/60 - 1/30,000 sec linear AES Off: 1/60, 1/100, 1/125, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/10000 selectable
<b>WHITE BALANCE</b>	ATW / AWB / Manual
<b>BACKLIGHT COMPENSATION</b>	On / Off : Sensing area selectable
<b>SENSITIVITY ENHANCEMENT</b>	Off, 2, 4, 6, 8, 10, 16, 24, 32 times
<b>LENS MOUNT</b>	CS-Mount
<b>CORRESPONDING AUTO IRIS TYPE</b>	Video iris (power 9VDC, max 50mA/video signal: 0.7Vp-p high impedance)
<b>AUTO-IRIS LENS OUTPUT</b>	Video input type; DC input type (4 pin connector, switchable)
<b>ADJUSTMENT VOLUME</b>	DC iris level adjustment
<b>OPERATING TEMPERATURE</b>	-10° - + 50°C
<b>AMBIENT HUMIDITY</b>	RH 80% max (keep free from dampness)
<b>POWER SUPPLY</b>	AC24V ± 10% or DC12V ± 10%
<b>POWER CONSUMPTION</b>	Less than 5W
<b>EXTERNAL DIMENSIONS</b>	74 (W) x 65 (H) x 136.5 (D) mm
<b>WEIGHT</b>	440g
<b>WDR FUNCTION</b>	On / Off / Manual (Sensing area selectable, effect adjustable)

### DISTRIBUTED BY:



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