



**TZ-500NH**  
**ULTRA COMPACT**  
**ZOOM CAMERA**

**MADE IN JAPAN**



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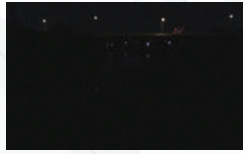
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# LOW LIGHT



Standard camera



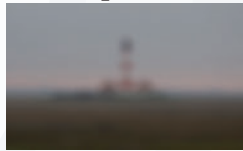
TZ-1500NH

**0,06 lux @ F4.6; 0,00001 lux @ F1.2**

TZ-1500NH utilizes the state of art sensor technology to provide color image even under extreme low light conditions.

# AUTOFOCUS

Perfectly adjusted backfocus and fine-tuned mechanics & electronics ensures fast and precise autofocus.



# OPTICAL ZOOM

Use of classical optical zoom construction ensures focused image while zooming without additional use of focusing mechanism. This grants well-known Japanese durability to the system.



# ULTRA COMPACT

The tiny size of such a powerful camera with 500mm focal length makes it beyond competition.

# TECHNICAL SPECIFICATIONS

<b>Focal Length</b>	10-500mm	<b>Video Connector</b>	BNC (3G-SDI SMPTE424), HDMI
<b>Optical Zoom</b>	50x	<b>Video Output</b>	3G-SDI: 1080p/59.94(LEVEL A), 1080i/59.94,1080p/29.97 HDMI: 1080p/50.00(LEVEL A), 1080i/50.00,1080p/25.00
<b>Angle of View (HxV)</b>	(W) 40.03° x 23.28° (T) 0.93° x 0.53°	<b>MOD</b>	3.8m
<b>Aperture</b>	F 4.6 - F 22, Close	<b>Control</b>	RS485 9600bps / 19200bps / 38400bps
<b>Tele End (open iris)</b>	F 8.0	<b>Weight</b>	3.2 kg
<b>Iris</b>	Auto, Manual	<b>Dimensions</b>	216 mm (L) x 128 mm (H) x 146 mm (W)
<b>Filter</b>	IR bandpass filter >850nm	<b>Power Supply</b>	12V DC ± 10% (Ripple ≤50mVp-p)
<b>Speed Focus</b>	~ 5 sec	<b>Power Consumption</b>	24W
<b>Speed Zoom</b>	~ 5 sec	<b>Operating Temperature</b>	-10°C - +50°C; 10~90%
<b>Speed Auto Focus</b>	usually ~2 ~4 sec		
<b>Optical Defog</b>	Yes, IR bandpass filter >850nm		

<b>Image Sensor</b>	Single Panel CMOS, RGB Bayer Array
<b>Digital Zoom</b>	10x (off / max 4x / max 10x)
<b>Shutter</b>	Rolling
<b>Total Pixels (HxV)</b>	2016 x 1128
<b>Effective Pixels (HxV)</b>	1920 x 1080
<b>Pixel Size (HxV)</b>	4,1 μm x 4,1 μm
<b>Sensor Size</b>	1/1.8"
<b>Scanning System</b>	Progressive
<b>Digital Defog</b>	Yes: Off, Low, Mid, High
<b>Privacy Mask</b>	8 Masks: Grey, White, Black
<b>ALC Adjustment</b>	Level Adjustment, Limits Adjustment
<b>Gain</b>	Manual: 0 - 78 dB (0.3 dB step)
<b>Backlight Correction</b>	On, Off, Spot
<b>DNR</b>	Off, Low, High
<b>Gamma Correction</b>	0.35 - 0.55 (0.01 step) / 1.0
<b>Sensor Framerate</b>	59.94 fps / 50 fps (29.97 fps when in HDR mode)
<b>SN Ratio</b>	50 dB or above (γ=1, Contour Correction OFF, DNR OFF)
<b>Exposure Mode</b>	Full Auto, Shut. Prio., Gain Prio., Iris Prio., Manual
<b>Electronic Shutter</b>	60 Hz system: 1/1, 1/2, 1/4, 1/8, 1/15, 1/30, 1/60, 1/100, 1/125, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/10000 s 50 Hz system: 1/1, 1/2, 1/3, 1/6, 1/12, 1/25, 1/50, 1/100, 1/125, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/10000 s
<b>White Balance</b>	ATW1, ATW2, AWC, Manual
<b>HDR Mode</b>	Off, HDR, Auto Knee, Auto Black Stretch
<b>Color Matrix</b>	R, G, B, Ye, Cy, Mg 6-axis adjustment

For more details refer to product manual or specification sheet

# KEY FEATURES

- **10-500 mm**
- **Full HD 1920x1080 4,1 μm**
- **Auto Focus**
- **Optical & Digital Defog**
- **High Sensitivity**
- **F 4.6-22, Close**
- **CMOS, Rolling Shutter**
- **A.O.V. HxV(16:9)**

**Wide: 40.03° x 23.28°**  
**Tele: 0.93° x 0.53°**

