



TZ-500NH
ULTRA COMPACT
ZOOM CAMERA

MADE IN JAPAN



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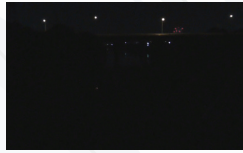
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LOW LIGHT



Standard camera



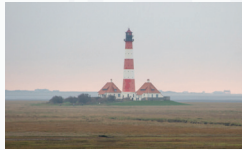
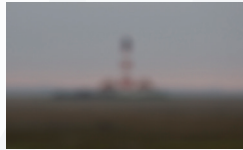
TZ-1500NH

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

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

Image Sensor	Single Panel CMOS, RGB Bayer Array
Digital Zoom	10x (off / max 4x / max 10x)
Shutter	Rolling
Total Pixels (HxV)	2016 x 1128
Effective Pixels (HxV)	1920 x 1080
Pixel Size (HxV)	4,1 μm x 4,1 μm
Sensor Size	1/1.8"
Scanning System	Progressive
Digital Defog	Yes: Off, Low, Mid, High
Privacy Mask	8 Masks: Grey, White, Black
ALC Adjustment	Level Adjustment, Limits Adjustment
Gain	Manual: 0 - 78 dB (0.3 dB step)
Backlight Correction	On, Off, Spot
DNR	Off, Low, High
Gamma Correction	0.35 - 0.55 (0.01 step) / 1.0
Sensor Framerate	59.94 fps / 50 fps (29.97 fps when in HDR mode)
SN Ratio	50 dB or above (γ=1, Contour Correction OFF, DNR OFF)
Exposure Mode	Full Auto, Shut. Prio., Gain Prio., Iris Prio., Manual
Electronic Shutter	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
White Balance	ATW1, ATW2, AWC, Manual
HDR Mode	Off, HDR, Auto Knee, Auto Black Stretch
Color Matrix	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°

