



H-109

1280 x 1024 up to 9,500fps

H-113

1280 x 1024 up to 13,600fps

H-116

1280 x 1024 up to 15,800fps

POWERFUL & HIGH-PERFORMANCE CAMERA

The three models are packed advanced features that push the YUKI H Series ahead of the pack. Features include the advance CMOS sensor technology with camera performance of 1..15 million fps and high-resolution. Recording speed of 15800fps with 1280x1024 resolution is amazing to begin with for any application from research to ballistic.

Unique features:

- ✓ 100ns minimum exposure time
- ✓ Recording memory 40GB or more
- ✓ Up to 24TB Recording SSD
- ✓ 3G-SDI Video output
- ✓ Customisable at up to 65 degree C
- ✓ Redundant dual-power supply design
- ✓ Rich lsp processing, high-definition and high-quality color images
- ✓ Auto white balance, intelligent de-noising
- ✓ Factory color correction, factory dark field correction.
- ✓ Lens interface: SONY E lens, Nikon FG lens, or C-mount
- ✓ Adaptive Gigabit Ethernet, up to 10-GigE speed

	H-109	H-113	H-116
Max. Resolution	1280 x 1024		
Max. Resolution Speed	9500fps	13600fps	15800fps
Max. Recording Speed	705000fps	1000000fps	1150000fps
Sensor Pixel Size	14.6µm		
Min. Exposure Time	100ns		
Dual Exposure Mode	300ns		
Dynamic Range	60dB		
Bit Depth	8 / 10 / 12 bit		
Sensitivity	ISO 30000 (Monochrome) / ISO 10000 (Color)		
Analog Gain	2x 4x 8x		
Standard Memory	40GB / 80GB / 160GB		
Extended Memory	4TB / 12TB / 20TB		
Data Interface	10GigE , Adaptive Gigabit Ethernet		
Video Signal Output	Ethernet / SDI		
Trigger Mode	Software / IO / IAC (Image Auto Capture)		
I/O Signal	INPUT : Trigger (TTL/Switch), RS422, SYNC, Ready, Event, IRIG OUTPUT : SYNC, Ready, Event		
Operating Temperature	-10 to 50 degree C (Customizable to -40 to 65 degree C)		
Humidity	<95% (without condensation)		
Dimension	L217 x W110 x H110 mm (exclude lens) Weight: 3.8Kg		
Power	DC 24V , 55W		

Specifications subject to change without prior notice

H-109

Resolution	Recording Speed	Recording Time	
		40GB / 80GB / 160GB	4TB4TB / 12TB / 20TB
1280 x 1024	9500 fps	3.4s / 6.8s / 13.6s	11min / 17.8min / 24.6min
1280 x 768	12900 fps	2.7s / 5.4s / 10.8s	9min / 15.8min / 22.6min
1280 x 512	19300 fps	3.0s / 6.0s / 8.0s	10min / 16.8min / 23.6min
1280 x 256	38000 fps	2.7s / 5.4s / 10.8s	9min / 15.8min / 22.6min
1280 x 128	75000 fps	2.7s / 5.4s / 10.8s	9min / 15.8min / 22.6min
1280 x 64	135000 fps	2.7s / 5.4s / 10.8s	9min / 15.8min / 22.6min
1280 x 8	705000 fps	4.1s / 8.2s / 16.4s	13.6min / 20.4min / 27.20min

H-113

Resolution	Recording Speed	Recording Time	
		40GB / 80GB / 160GB	4TB / 12TB / 20TB
1280 x 1024	13600 fps	2.4s / 4.8s / 9.6s	8min / 14.8min / 21.6min
1280 x 768	18000 fps	2.4s / 4.8s / 9.6s	8min / 14.8min / 21.6min
1280 x 512	27000 fps	1.9s / 3.8s / 7.6s	6min / 12.8min / 19.6min
1280 x 256	53000 fps	2.6s / 5.2s / 10.4s	8.6min / 15.4min / 22.2min
1280 x 128	104000 fps	2.6s / 5.2s / 10.4s	8.6min / 15.4min / 22.2min
1280 x 64	189000 fps	2.6s / 5.2s / 10.4s	8.6min / 15.4min / 22.2min
1280 x 8	1000000 fps	4.1s / 8.2s / 16.4s	13.6min / 20.4min / 27.2min

H-116

Resolution	Recording Speed	Recording Time	
		40GB / 80GB / 160GB	4TB / 12TB / 20TB
1280 x 1024	15800 fps	2s / 4.1s / 8.3s	3.4min / 10.2min / 17min
1280 x 808	20000 fps	2s / 4.1s / 8.3s	3.4min / 10.2min / 17min
1280 x 512	31500 fps	2s / 4.1s / 8.3s	3.4min / 10.2min / 17min
1280 x 256	62500 fps	2.1s / 4.1s / 8.3s	3.5min / 10.3min / 17.1min
1280 x 128	121000 fps	2.1s / 4.3s / 8.6s	3.6min / 10.4min / 17.2min
1280 x 64	221000 fps	2.3s / 4.7s / 9.4s	3.9min / 10.7min / 17.5min
1280 x 32	410000 fps	2.5s / 5.1s / 10.2s	4.2min / 11min / 17.8min
1280 x 8	1150000 fps	3.6s / 7.2s / 14.5s	6min / 12.8min / 19.6min