



DT-971S/971H/DB-640

DT-971S/971H/DB-640 High-dynamic 2D-Si-CMOS array with 640×512 pixels (DB-640). Spectral range $0.8 \mu\text{m}$ to $1.1 \mu\text{m}$ (DB-640). 100Mbps Ethernet; Composite video output, PAL or NTSC. Standardized security interface design, using H.264 video compression protocol which is easy for system integration. 50Hz passive infrared imaging ensure the high frame rate security monitoring. Circular around the clock in all kinds of bad weather. Image enhancement feature highlights the target details, easy to achieve target surveillance and recognition;



Key Features:

- 100Mbps Ethernet;
- Composite video output, PAL or NTSC
- Standardized security interface design, using H.264 video compression protocol which is easy for system integration
- 50Hz passive infrared imaging ensure the high frame rate security monitoring circular around the clock in all kinds of bad weather
- Image enhancement feature highlights the target details, easy to achieve target surveillance and recognition;
- Precise non-contact wide temperature ranges: 600° C to 2000 ° C/ 1112 ° F to 3632 ° F; (DB-640)
- High-dynamic 2D-Si-CMOS array with 640× 512 pixels (DB-640)
- Spectral range 0.8 μ m to 1.1 μ m (DB-640)

Specifications			
	971S	971H	DB-640
Imaging and optical data			
Field of View (FOV)/Minimum focus distance	29.8° × 22.6° /0.2m	29.8° × 22.6° /0.2m	22° × 17.6°
Special range	8~14 μ m	8~14 μ m	0.8~1.1 μ m
Spatial resolution(IFOV)	3.33mrad	3.33mrad	0.6mrad
Thermal sensitivity/NETD	<0.08℃@ + 30℃(+ 86°F)/80mK	<0.08℃@ + 30℃(+ 86°F)/80mK	<1℃@ + 600℃
Image frequency	50Hz		30Hz
Focus length	7.5mm	7.5mm	25mm
IR Resolution	160×120 pixels	160×120 pixels	640×512 pixels
Object Temperature Range	- 20 to 150℃ (- 4 to 302° F) 0 to 400℃ (32 to 752° F)	- 20 to 150℃ (- 4 to 302° F) 0 to 400℃ (32 to 752° F)	600 to 2000℃ 1112°F to 3632° F
Accuracy	±2℃ (±3.6°F) or ±2% of reading		2% of reading
Interfaces	composite video		
Video out	Composite(PAL and NTSC)		
Input voltage	DC 9V TO 12V		DC 5V
Ethernet type, connector type, video steaming	100Mbps, RJ-45, H.264		
Alarm output	2 relay output		
Options Lens			
11mm		(FOV=20.6° × 15.5°)	8mm (FOV=68.8° × 55°)
22mm		(FOV=10.4° × 7.8°)	12mm (FOV=45.8° × 36.7°)
33mm		(FOV=6.9° × 5.2°)	50mm (FOV=11° × 8.8°)
			75mm (FOV=7.3° × 5.9°)

Accessories:

Infrared camera with lens,
CVBS cable, Gift box.