



KLT-IRSW-OS05A20 V1.0

**OmniVision OS05A20 with IR Switch MIPI Schnittstelle Fixer Fokus 5MP M12
Kameramodul**



Kameramodul Nr.	KLT-IRSW-OS05A20 V1.0	
Bildsensor	OS05A20	IR SWITCH
EFL	2.1 mm	Input Voltage: 3.5V ~ 12V
F.NO	2.2	Operating Current: 88 ~ 300 mA
Pixel	2688 x 1944	Red Line: Positive
Blickwinkel	190°(D) 190°(H) 100°(V)	Black Line: Negative
Linsentyp	1/2.7 Zoll	
Objektivabmessungen	14.00 x 14.00 x 21.82 mm	Operation:
Modulgröße	57.07 x 30.00 mm	ON: IR Active (Day Time)
Modultyp	Fixer Fokus	OFF: IR Disable (Night Time)
Schnittstelle	MIPI	

Gegenstecker Teile-Nr. FH12-24S-0.5SH

Gegenstecker auf der Hauptplatine. Separat erhältlich.



OS05A20 5-megapixel product brief



New OS05A20 Uses Nyxel™ Technology to Bring Superior Image Quality to Video Surveillance Cameras Day or Night

lead free
available in
a lead-free
package

The 5-megapixel OS05A20 is the world's first image sensor to implement Nyxel™ technology, OmniVision's breakthrough near-infrared (NIR) technology that allows image sensors to see better and farther under low- and no-light conditions. By using Nyxel technology and a 2 x 2 micron pixel, the OS05A20 PureCel® image sensor has the unique ability to capture high-quality, high-resolution day or night, making it ideally suited for professional surveillance systems.

Nyxel technology combines thick-silicon pixel architectures with extended deep trench isolation (DTI) to improve quantum efficiency (QE) up to 3x for 850 nm sensitivity and up to 5x for 940 nm sensitivity, while

maintaining all other image-quality metrics. These improvements deliver unrivaled image quality, extended image-detection range and a reduced light-source requirement, leading to lower power consumption.

Available in a 1/2.7-inch optical format, the OS05A20 is capable of capturing full-resolution 2688 x 1944 video at 60 frames per second (fps), 1080p full high definition (HD) video at 120 fps, and 720p HD video at 180 fps. The sensor comes in a 6.6 x 5.9 mm chip scale package (CSP).

Find out more at www.ovt.com.



