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Day/Night Exchanger

Miniature Day/Night Exchanger



Fig 1. CCS-EXM-IRC21 (left), M12-EXM-IRC21 (right)

Description

The M12-EXM-IRC21 and CCS-EXM-IRC21 are IR cutoff filter exchangers that allow true day/night (TDN) operation with the Pixim DPS chipsets. For daytime operation an absorptive color filter provides true color rendition. At night, an AR coated window allows maximum light transmission.

Key Features

- Maximum light transmission in low-light conditions
- True color rendition during the day
- Designed specifically to fit the Pixim DPS chipsets
- Absorptive filter optimized for best color
- Latching solenoid requires power only to switch

Applications

Security and surveillance camera

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Sunex Inc. Telephone: +001 760.602.0988 Order samples online at <u>www.optics-online.com</u>

Key Specifications	
Description	IR cut filter exchanger
Latching Solenoid	Power required only to switch;
	see specs
Switch signal	±3.3V
	100ms
Integrated Lens Mount	M12-EXM-IRC21: M12x0.5
	CCS-EXM-IRC21: None
Day Operation	IR cut filter, IRC21
Night Operation	AR coated window
Operational Mode	Standard Mode +red, -black.
	Reverse anode/cathode to
	reverse mode. Day mode:
	IRC21, Night mode: window
Min nominal BFL	~5mm (M12-EXM Only)

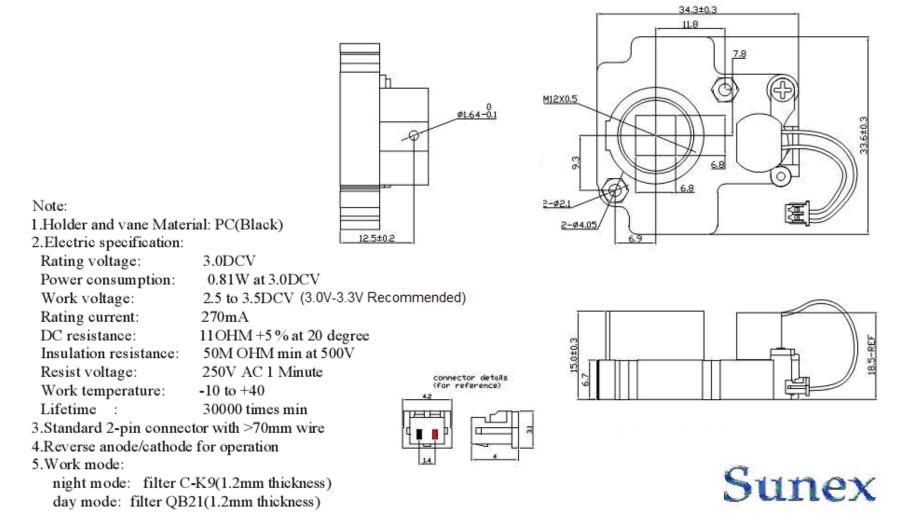
Low-Light Image Comparison





M12-EXM-IRC21

Electrical and Mechanical Specifications (mm):

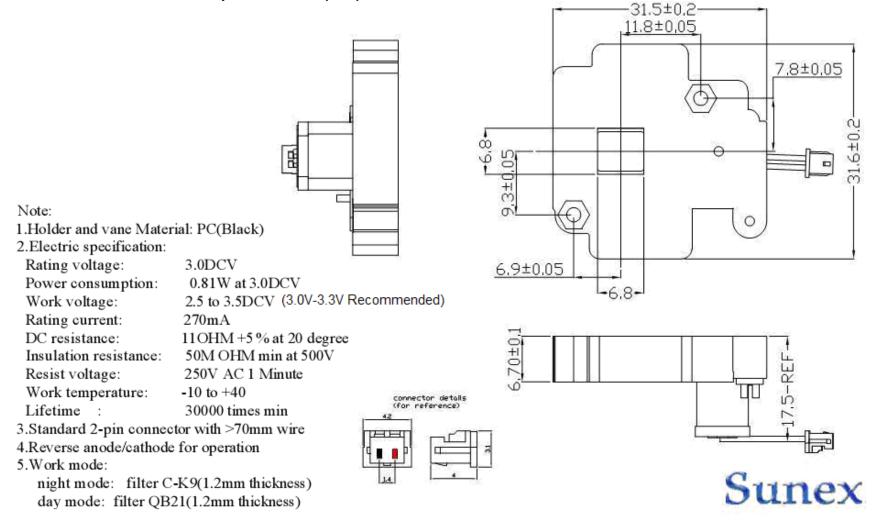


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CCS-EXM-IRC21

Electrical and Mechanical Specifications (mm):



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