

LYNRED



CO₂ NOTCH FILTER OPTION for DAPHNIS products

DAPHNIS-HD products (1280x720, 10µm pitch MWIR MCT detectors) are the best choice for high-end Surveillance applications.

For some climatic conditions and long range requirements, LYNRED offers notch filter option.

Without ICD modification at customer's level, **DAPHNIS with notch** filter is THE easy alternative for further increase of camera performance.

New filter suppresses CO₂ absorption band (source of noise due to atmosphere reemission) and enlarges useful spectral band, for:

- ⊕ INCREASED IMAGE QUALITY (thanks to higher SNR)
- ⊕ INCREASED CAMERA DRI RANGES

BROADER SCOPE
..... **OF APPLICATION**

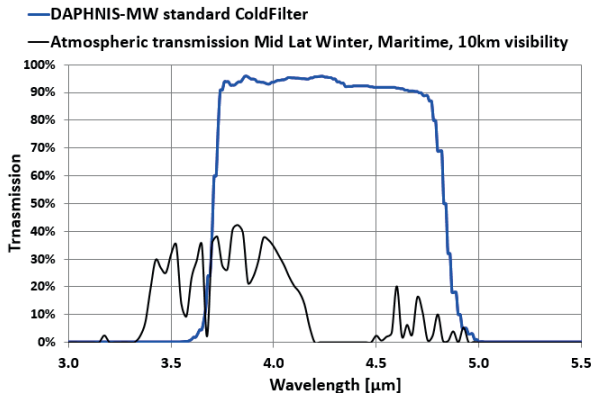
- ⊕ For Defense
- ⊕ For Safety, Security & Surveillance



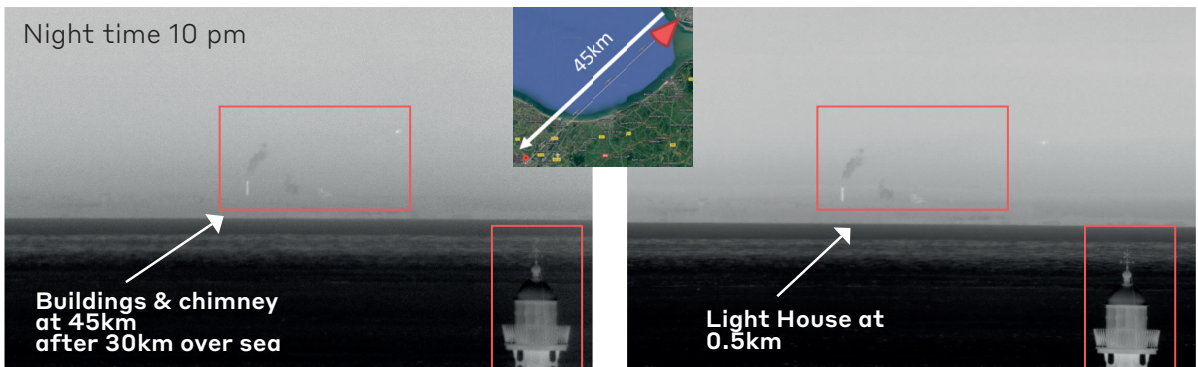
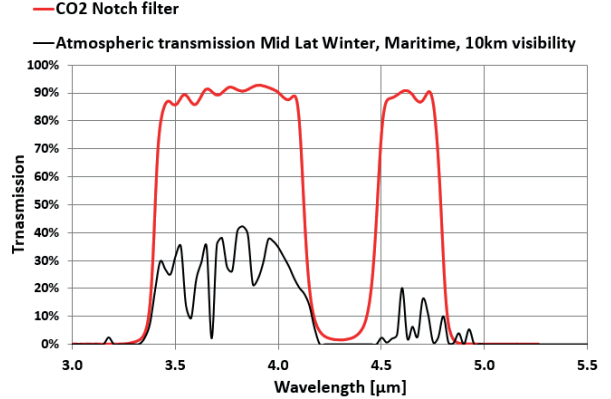
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NOTCH FILTER OPTION PUSHES THE LIMITS FOR ULTIMATE IMAGE QUALITY AND DRI RANGE PERFORMANCE

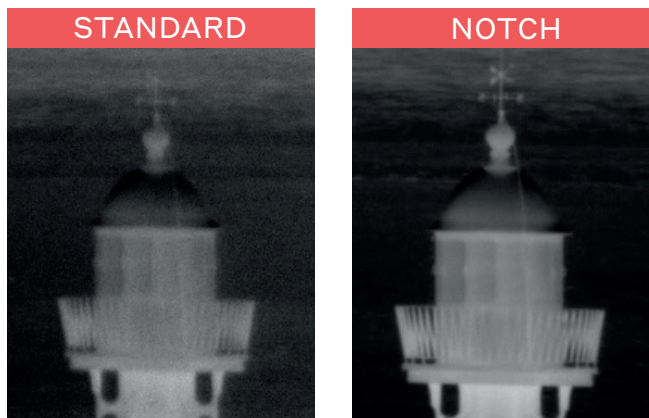
STANDARD DAPHNIS FILTER



CO₂ NOTCH FILTER OPTION



Full night, clear sky, cold and humid climate (7°C, 87%), cameras set with same dynamic range and same signal processing. Notch option increases image quality ($SNR_{notch} = 2.3x SNR_{standard}$ on buildings).



Harbor light house at 0.5km.
Notch option increases image quality