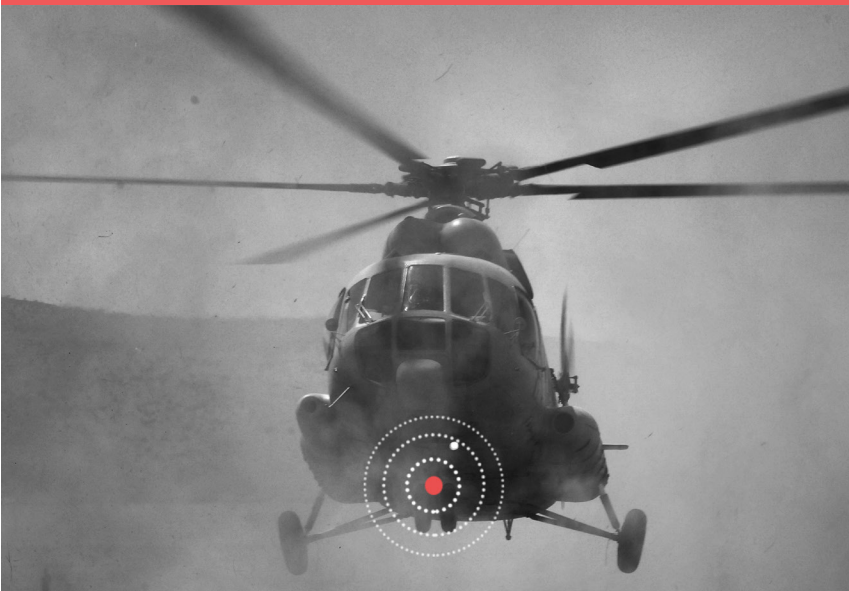




LYNRED



## INTRODUCING: CO<sub>2</sub> 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 a notch filter option.

Without ICD modification at customer level, **DAPHNIS with notch filter** is THE easiest alternative to further increase of camera performance.



**New filter suppresses CO<sub>2</sub> 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

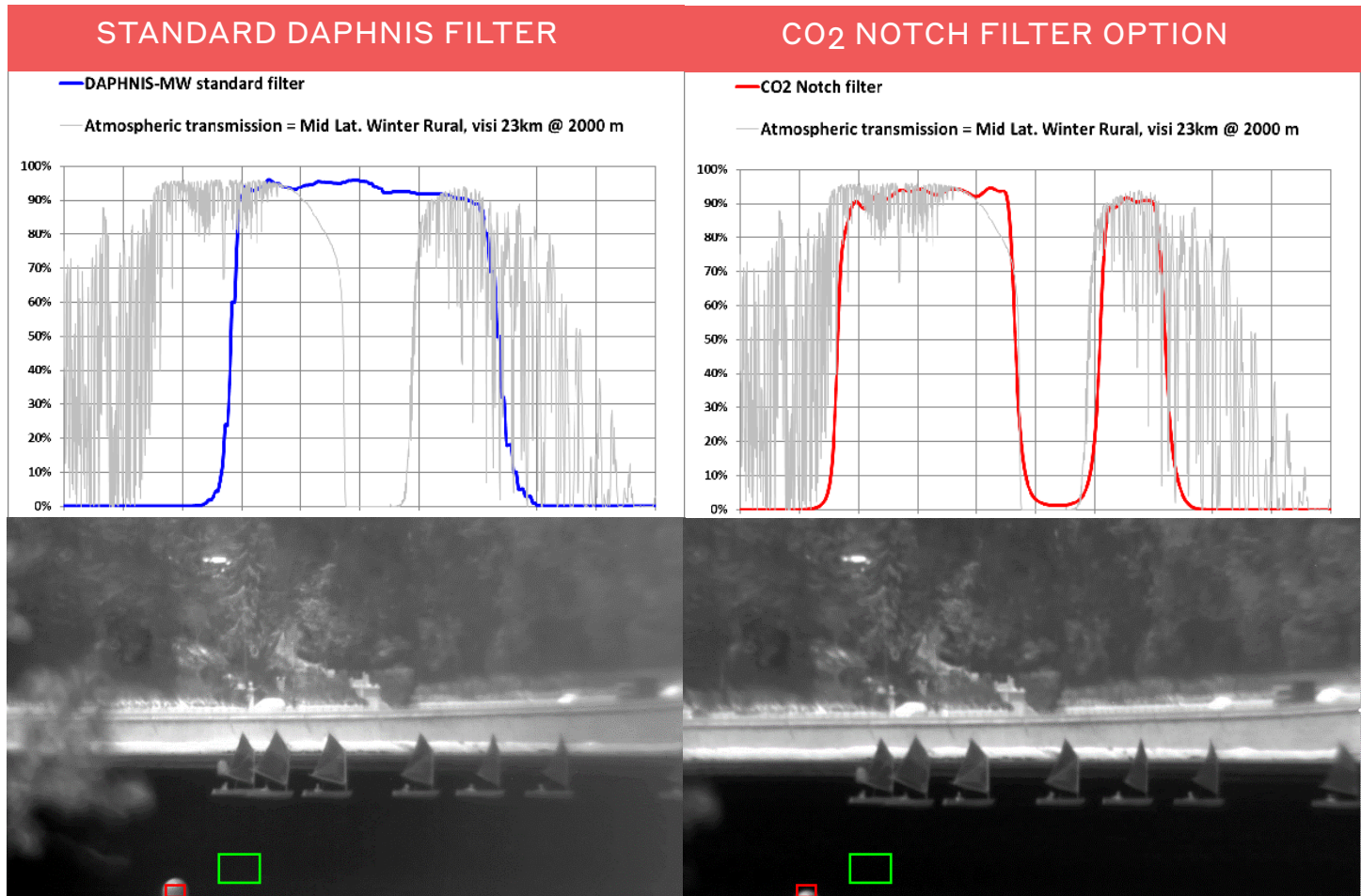
DEFENSE



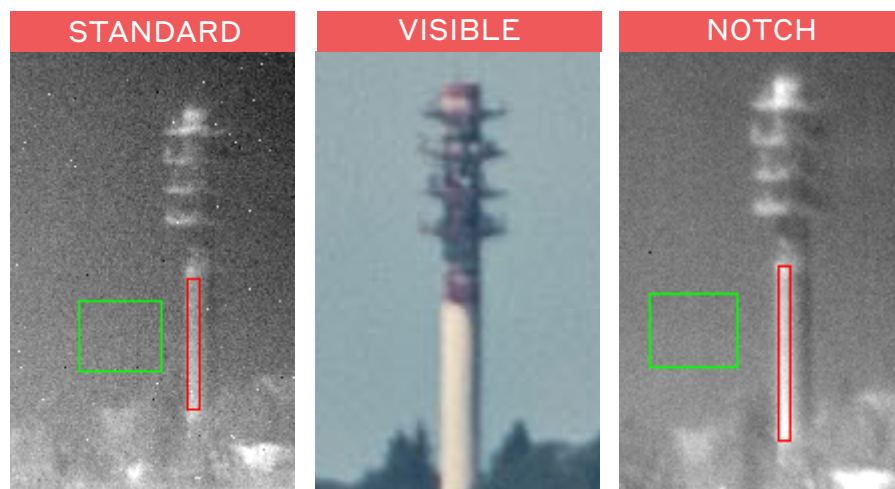
SURVEILLANCE



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



Hot and humid climate, boats at 2km distance, cameras set with same dynamic range and same signal processing. Increased image contrast with notch and  $SNR_{notch} = 5x SNR_{standard}$  for buoy on water.



Hot and dry climate, communication tower @ 16km  
 $SNR_{notch} = 2x SNR_{standard}$  on tower