

CLEAR VISION   SOUND STRATEGIES   SOLID PERFORMANCE



# EPIC Meeting on CMOS Technology

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8<sup>th</sup> February 2021

# Photonics at AMETEK



			<p>Photonics at AMETEK</p>					



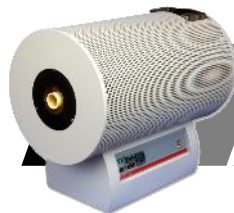
Fixed Thermal Imagers &  
Line Scanners



Fixed Spot Non-Contact  
Thermometers / Pyrometers



Portable Gas Analysers



Calibration Sources



Opacity and Dust Monitors



Portable Non-Contact  
Thermometers



Combustion Efficiency  
Monitors

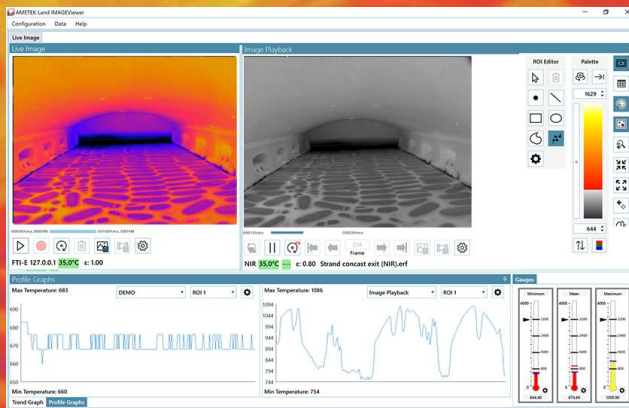
# What can we do for you?

We measure temperature



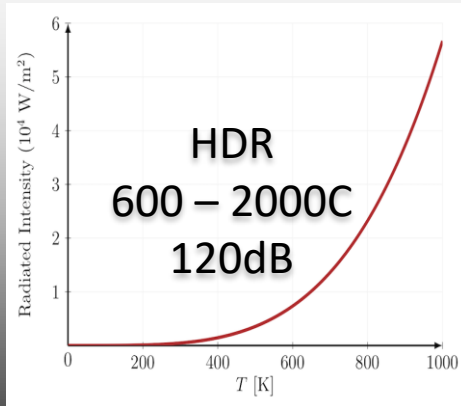
Measurement Range: 1000 - 1800 °C  
Accuracy: 1% of reading  
Repeatability: 1 K  
Detector: CMOS  
Pixel Resolution: 1968x1472  
Spectral Response: 1 μm  
Frame Rate: 15Hz

Optic (HFOV x VFOV): 95° x 71°  
Focus Range: 1 m to infinity  
Probe Diameter: Ø 61mm  
Probe Lengths: 915 mm  
Protection Window: Sapphire



# What you can do for us?

## Dynamic Range



## Colour



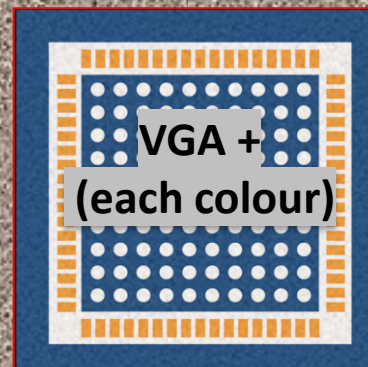
no

cross

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## High definition



Silicon



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