

2021 July

## World Scope

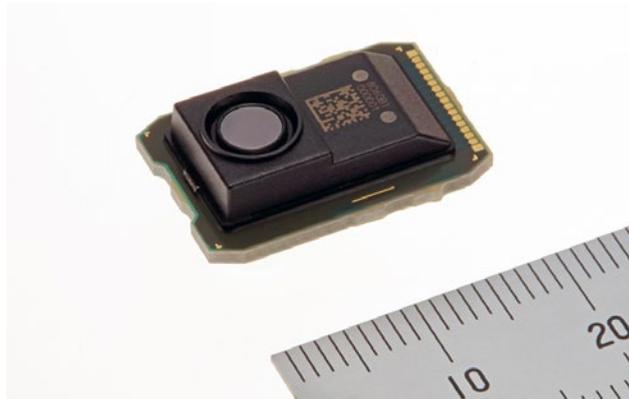
Mitsubishi Monitor introduces some of the latest news about Mitsubishi companies as they play an active role on the world stage.



**Mitsubishi Electric**

### Launch of MeDIR 80x60 pixel Thermal Diode Infrared Sensor

**Mitsubishi Electric** added a new product to its Mitsubishi Electric Diode InfraRed (MeDIR) sensor lineup on July 1, 2021. The new infrared sensor features a wide field of view and high 80x60 pixel resolution for applications including security, heating, ventilation and air conditioning, and people counting. The new MeDIR accurately distinguishes between humans and other heat sources and enables the identification of specific human behavior, such as walking, running or raising hands, with faster frame rate and optimized sensitivity correction. And, Mitsubishi Electric provides user-support tools that help shorten development time for customers. The MeDIR has various applications, including the “kizkia-Knight” video analysis solution, developed by Mitsubishi Electric Information Systems Corporation, which uses “Maisart” (Mitsubishi Electric’s AI creates the State-of-the-ART in technology). “kizkia-Knight” is able to detect falling people and other accidents automatically, even in poorly-lit areas or places where privacy considerations are necessary, such as rest rooms. In addition, MeDIR has been already installed in the “Kirigamine” FZ/Z series, the deluxe model of Mitsubishi Electric’s air conditioner for Japan.



“MeDIR” new 80x60 pixel thermal diode infrared sensor

<https://www.MitsubishiElectric.com/news/2021/0310.html>



<https://www.MitsubishiElectric.com/semiconductors/products/icsensor/infraredsensor/index.html>



For more information about the Mitsubishi companies, see “mitsubishi.com”

■ <https://www.mitsubishi.com/en/>



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### Mitsubishi Materials

## Capturing & Utilizing Factory CO<sub>2</sub> Emissions – Demonstration Testing Starts in Kyushu –

**Mitsubishi Materials (MMC)** has established mid-term targets for becoming carbon neutral by 2050, calling for a 17% reduction in group greenhouse gas (GHG) emissions by 2030 over FY2013 levels in its efforts to contribute to the creation of a decarbonized society. It is developing carbon capture and utilization (CCU) technology that will separate and recover CO<sub>2</sub> emitted when cement is fired in high-temperature kilns and then use it to synthesize methane in a methanation process. The company will start a demonstration project at the Kyushu Plant's Kurosaki Production Section in July 2021. The company is also working on the development of technology for reusing the methane produced as heat energy in the manufacture of cement.



The Kurosaki Production Section at the Kyushu Plant

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