



May 18, 2009 NEC Avio Infrared Technologies Co., Ltd. http://www.nec-avio.co.jp/en/index.html

--Emergency Assistance Provided to Mexico--

NEC Avio has delivered TVS-500EX Infrared Thermography Systems in response to the outbreak of a new strain of influenza.



NEC Avio Infrared Technologies Co., Ltd. (Head office: Shinagawa-ku, Tokyo; CEO: Shunichi Suzuki) delivered 25 sets of Infrared Thermography Systems (TVS-500EX) to the United Mexican States on May 7, 2009, through the Japan International Cooperation System, as part of an emergency assistance grant from the Japanese government in response to the outbreak of a new strain of influenza.

Infrared thermography devices are used to analyze the intensity of infrared rays naturally emitted by objects and then to visualize temperature distribution. These devices are currently playing an active role in a wide range of fields in the academic and scientific instrumentation market, including non-contact measurement of electronic equipment and components, thermal loss inspection of plant facilities and nondestructive testing of structures.

Many of the infrared thermography devices are also being installed at quarantine stations in airports and seaports where they are being used for body surface temperature screenings of travelers as part of countermeasures against new strains of influenza.

The infrared thermography system (TVS-500EX) that NEC Avio delivered to Mexico allows users to detect travelers with fever by displaying colored isothermal areas and producing a warning message if their body surface temperature exceeds a preset value (e.g. 38°C). See below Picture 1.

NEC Avio Infrared Technologies Co., Ltd. anticipates that the infrared thermography systems will enable the Mexican government to further strengthen disease prevention measures. NEC Avio also endeavors to continue providing international support for preventing the spread of new strains of influenza, and contributing to the realization of societies that are safe, secure and friendly to people and the earth.

Detecting temperatures that exceed a

preset value (e.g. 38°C or higher)



Colored isothermal display

<Overview>

Picture 1

This infrared thermography system is for inspecting human body surface temperatures as part of countermeasures against new strains of influenza. The system measures body surface temperature on a non-contact basis and displays warnings when subjects who are possibly carrying a fever (e.g. 38°C or higher) are detected.

<Basic Configuration>

\triangleright	Infrared thermal camera TVS-500EX	QTY: 1
\triangleright	22-inch LCD monitor	1
\triangleright	Tripod	1
\triangleright	Video cable	1
۶	Instruction manual	1

<Features>

- Fast, safe, non-contacting measurement
- > Alarm message when temperatures over preset value are detected
- > Colored isothermal display for easy determination of areas with temperatures that exceed a preset value
- Mixing function of visible/thermal images (fusion image) for easy identification
- Save and playback images with a compact flash card
- Easily portable for use on an airplane or ship

<TVS-500EX Basic Specifications>

- Measuring range: -40 to 500°C
- Resolution: 0.05°C or better (with Averaging)
- > Detector: UFPA, 320 x 240 microbolometer
- Functions: Multi-point temp display (up to 5 points), image mixing (fusion image of visible/thermal images), display of max/min temp location, automatic temp trace, save/playback of images.

**Reference: Press release by the Ministry of Foreign Affairs of Japan

Emergency Assistance to the United Mexican States in Response to the Outbreak of the New Strain of Influenza (Provision of Infrared Thermographies)

http://www.mofa.go.jp/announce/announce/2009/5/1191506_1134.html

For questions regarding the above, please contact:

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