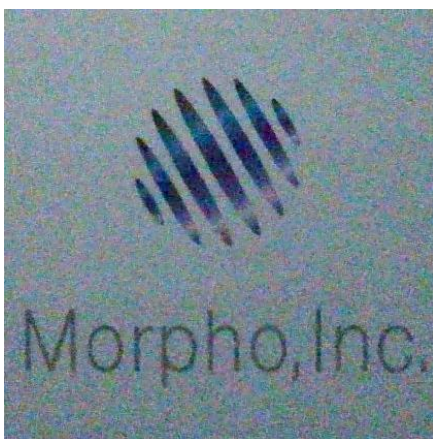# Morpho, Inc. Launches Video Noise Reduction Technology "Morpho Video Denoiser™"

Tokyo, Japan - **August 2, 2013** – Morpho, Inc., a global leader in software image processing solutions for mobile devices, released "Morpho Video Denoiser™." This product enables noise-reduced clear video shooting even in night scenes or low light condition.

Morpho Video Denoiser™

"Morpho Video Denoiser™" detects and reduces noise within the frame (spatial noise reduction). Additionally, it compares a frame from another to detect and reduce noise (temporal noise reduction). Together, it implements effective noise reduction in real-time even for video shooting in night scenes or indoor where there is not enough light. While performing effective noise reduction, Morpho's unique motion detection technology, SOFTGYRO®, is utilized to minimize blurs caused by hand jitter by correcting alignments between frames. Also, Morpho's ghost removal algorithm eliminates blurs caused by subject movement to produce sharp output image. Usually, simply brightening a dark image adds noise; however, "Morpho Video Denoiser™" performs brightness correction without producing additional noise.
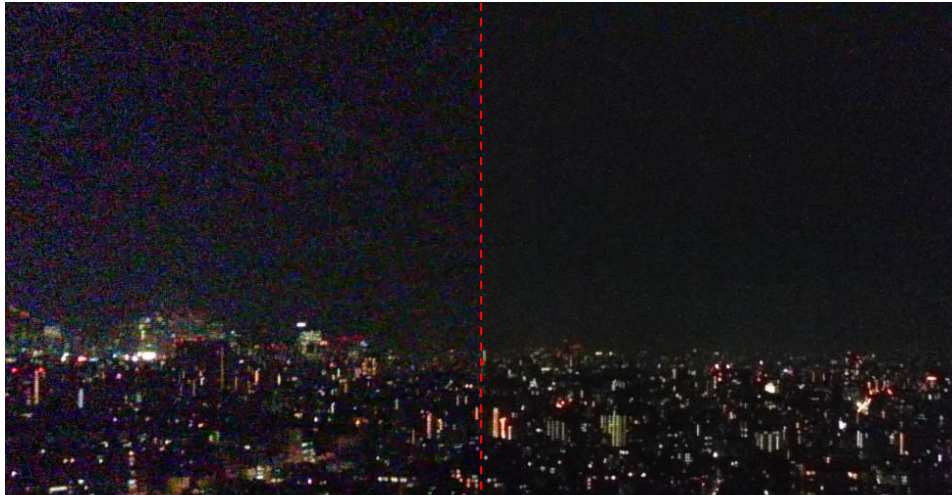

Input Video

Spatial Noise Reduced

Spatial Noise Reduction
+
Temporal Noise Reduction
(Morpho Video Denoiser™)

Input Video   Morpho Video Denoiser™

* "Morpho Video Denoiser" is a trademark of Morpho, Inc.
* Inventions related to "SOFTGYRO" are patented in Japan, the U.S., Europe, and Korea.
* "SOFTGYRO" is a registered trademark of Morpho, Inc.

About Morpho, Inc.:

Established in 2004, Morpho, Inc. has built substantial brand recognition in the field of software image processing for mobile devices. Customers utilizing Morpho, Inc.'s software technologies include carriers, processing platform providers and mobile device manufacturers making the company a global player in mobile imaging. For more information visit
http://www.morphoinc.com/en/ or contact m-press@morphoinc.com.