


## The World's First Solid-State Image Sensor Video Camera for Home Use

Registration No.	Number 00155		
Registration Date	September 2, 2014	Registration Category	Category 1
Name (Model, etc.)	Solid-State Video Camera (VK-C1000)		
Location	Mito City, Ibaraki		
	Ibaraki Prefectural Museum of History		
Owner (Custodian)	Ibaraki Prefecture		
Manufacturer (Company)	Hitachi, Ltd.		
Year Manufactured	1981		
Year first appeared	1981		
Reason For Selection	<p>The world's first single-plate video camera for home use using a solid-state image sensor. This camera used a MOS image sensor. From the 1970s onwards, research and development was carried out with the aim of replacing the old video camera tubes with a solid-state image sensor, resulting in a number of different formats, including the CCD format, which later became the dominant format. While the dominant CCD format had superior image quality, the MOS format had a good overall balance between ease of manufacture image quality and power consumption, among other factors, and has developed into the C-MOS format widely used in mobile phones and other devices today.</p>		
Registration Standard	1 - B(Show a uniquely Japanese scientific or technological development from an international perspective.)		
Open/Closed to Public	Open to Public		
Photo			
Other useful information	This piece is from the "Tokai History Museum", which was part of Hitachi's Tokai Works.		